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## Title word cross-reference

1 [JFJ+23]. $k$ [GHX+24]. $N$ [RKBL19, JFJ+23]. $z$ [LCZL14].

**-Equivalent** [LCZL14]. **-to-** [JFJ+23]. **-way** [RKBL19].

**19** [FSZ+22, MKR+23, RHV24, RHvB24].

**2-year** [RHV24, RHvB24]. **2.0** [DKD21]. **2002** [Ano02]. **2013** [HP15].

**Abandoned** [KCAS23]. **Abbreviated** [SRTR17]. **ABC** [SF18]. **Able** [HNRA20]. **Abnormal** [ZCL+24]. **Abstract** [PSZ21, XMA+14, Jac95a, Pon02]. **Abstracting** [Gun00]. **Abstraction** [AEK+16, ZNZ+23, CF03, Egy02]. **Abstractions** [MCM24, PSZ21, BG98, DBGU13]. **Abstractive** [SFC+24]. **Academia** [MS22]. **Accelerating** [LSX+24, MUB+23]. **Acceleration** [LHX21]. **Access** [LSX+24, BDL06]. **Accessibility** [BXL+22, SMY+24]. **accommodates** [YHR92]. **Accounting** [SM12]. **Accuracy** [ASNB19, CWW+20, ODE21, WWAC23]. **Accurate** [HSB+23, TLL+23, ZLL+23]. **Achieving** [BJMH02, HAB13, LBZ14]. **Acknowledgement** [ACM05]. **ACM** [NP08]. **Acrobats** [RFDS24]. **across** [CSV13, SXX+24]. **action** [HN98]. **Active** [ASNB19, MS15]. **ActivFORMS** [WI23]. **Activities**

[HGHM23, NKL+24, SHLW21, WFW+20]. **Activity** [KS22, Esh06]. **Activity-Based** [KS22]. **activitycharts** [BRG+01]. **Actor** [CCRZ23]. **Actor-Driven** [CCRZ23]. **Ada** [Dil93, Dil97, DBDS94, YTL+95]. **ADAM** [GL14]. **adapt** [DPT13]. **Adaptation** [SEM17, ZH24]. **Adaptive** [BS16, CLBY18, DR11, HDG+24, RPT+22, SMBO21, ZA22, HWH14, VTA04, WI23]. **Addendum** [HT98]. **Address** [Zav04]. **Addresses** [ZWGX22]. **Adequacy** [DDS23, GRS+16, KFY23, KSD08]. **Adequate** [GGZ+15]. **Admitted** [RXX+19, GLL+21]. **Adonis** [LYL+24]. **Adopting** [WT24a, WT24b, SAB+14]. **Adoption** [RSBO23]. **Adversarial** [KL21, ZCL+24, ZZS+22]. **Affected** [PLMC23, VCF21]. **against** [EWS14, GSC24, IC14, ZSWS23]. **Age** [PHS+24]. **Agents** [BT24, MPR06]. **Aggregation** [SPAS21]. **aggregator** [BPT10]. **Agile** [RFDS24, Rus21, CF10]. **agnostic** [DLSC23]. **AI** [MFBF+22, OHDB92, PHS+24]. **AI-based** [OHDB92, MFBF+22]. **Aide** [PWB23]. **Aide-mémoire** [PWB23]. **aided** [SB06]. **AIOps** [LJL+20, LLS+21, LRL+22]. **algebra** [ZB13]. **Algebraic** [SZH+19, HRD08, PPP94]. **algebras** [BCD02]. **Algorithm** [LD24, ZMC+24, BS07, YHR92]. **Algorithms** [DBNG15, ARL+15, HT17, HT98, HVT98, KK93]. **aliasing** [FYD+08]. **Alignment** [CXH23, UFG14]. **Alignments** [TC20]. **Allocation** [SMBO21]. **alloy** [FPB+05, MPF14, Jac02]. **alone** [UGKR22]. **Alphabet** [FDB+12]. **Alternative** [TTL+21]. **Alternatives** [KDM17, KDM23]. **Always** [HDKM23]. **Always-on** [HDKM23]. **American** [FMMB23b, FMMB23a]. **Amoeba** [DCS09]. **among** [GL11, KDM23]. **Amplification** [PLP+23]. **Amplifying** [ZE14]. **Analyses** [CST16, CTA+21, RKBL19, LS13]. **Analysis** [AMS+18, AEK+16, AGRR19, AFPB23, ASJA23, Bjø19, CCW+23, CTC+23, CCXZ23, CFL+16, DG17, EHF20, FCLL21, FTF22, FTF24, HNRA20, HLX23a, JFJ+23, JZL+19b, JA22, KJHY22, LKRF22, LCZL14, LHX21, DDGR18, LM24, MGTR18, PHS+24, PBCT10, RHV24, RHvB24, SEM17, SBS+23, SGD15, SLB+21, TDL+24, VLJ+18, WWY+23, YXX+23, YXK+17, YBL15, ZHS+23, ZZC+23, ZWY+21, BP98, BGO+14, CS12, CK96, CK99, Cor00, CSX08, DRW96, Dev99, DBDS94, DCCN04, For94, GL14, GM01, GSH97, HKMB+14, Hie06, HH95, HZZ13, HT98, HVT98, HN98, LH08, LH02, MRR05, NP08, OO92, PTY95, PGM12, RM03, Rob08, SGG+14, Sne96, SRK06, TPT13, WP93, XCKX13, YTL+95, YBL13, FPGA07, MVM07]. **analyze** [CFM00]. **Analyzing** [LTX19, OL22, DFG00]. **Anatomy** [SGhWG22]. **Anchor** [WWY+23]. **Android** [ABC+22, GHM18, GJS+23, LVBBC+18, LZF+24, MCKG24, PLP+23, PGZ+20, RMCT22, SLB+21, SCL+23, WCG+21, ZLW+21, ZSL+22, ZWY+21]. **annotation** [KATS12]. **annotation-based** [KATS12]. **Annotations** [IC14, ODE21]. **announcement** [SPAK10]. **Announcing** [Pez23]. **Anomalies** [ZHZ+21]. **Anomaly** [XAY23]. **Ansible** [RRPW21]. **Answer** [GXLG21, YHG+24]. **answering** [KM10]. **Anti** [MS22]. **Anti-patterns** [MS22]. **Apache** [FAP22, MFH02]. **API** [Arc19, ARG17, HSX+24, LLT+24, PDHR23, SIB23, UKR21, WJZ+23, XSA+24, ZWY+21]. **APIRec** [LLT+24]. **APIRO** [SIB23]. **APIs** [AG22, BLS+23, GZA24, LZF+24, MZA22, SPK14, ZA22, ZBA23, ZA23, ZAL+23]. **Apollo** [KSFC24]. **App** [Cai20, CCH+21, GZX+22, HDG+24, JZL+19a, NPB22, WCG+21]. **APPL** [SHO95]. **APPL/A** [SHO95]. **Applicability** [RFR23]. **Applicable**

[VHNF22]. **Application** [DBDS94, LWC+23, MFLL12, MS15, SZZ+23, ZE14, LH02]. **Application-level** [LWC+23]. **Applications** [CGPP15, DG17, ETM22, GTD21, KAT12, LCL+23, MBH+17, NBB15, YXM+23, Yu23, ZOJH21, BM07, BCFM06, CPPRM03, CDP04, GGLT07, MZ09, MGMM11, PWX14, PBCT10, SS06, WGSD07, XM07]. **Applying** [FLM+98, FTF22]. **Approach** [ASNB19, BCGB21, BZSW14, BMM+17, BLBB23, BSA22, CLL+22, CSW21, DL11, FDC+21, GXSC21, HZZ+14, HB22, JS23, MFLL12, LDUD13, SMBO21, SDG+24, TG24, TCDZ19, WI23, YB20, YBL13, ZSL+13, ZLL+23, ZZC+23, CTCC98, CRST12, CPPRM03, DFB99a, DFB99b, DvdHT05, DPT13, DF94, FK96, FPB+05, Hen97, LASL13, MZ09, OHDB92, QRLV12, TD01, ZZL+06]. **Approaches** [ABC+22, XL20, ZLP+24, YHC13]. **approximation** [JGB12]. **Apps** [CCH+21, HHC+24, LVBBC+18, MCKG24, PLP+23, RMCT22, SLB+21, SCL+23, ZSL+22]. **APTL** [WME93]. **Arachne** [SKY23]. **Architecting** [BCD02, YBZK21]. **Architectural** [CSW21, MFLL12, AG97, AG98, LWF03, RVMRM04]. **Architecture** [AMGBK22, BNB14, HWH14, QWG+23, SMBK22, YHG+24, ZCT18, AAG95, BCC92, DvdHT05, GL14]. **Architecture-centric** [HWH14]. **Architecture-Implementation** [ZCT18]. **Architecture-Level** [BNB14]. **Architecture-Oriented** [QWG+23]. **Architectures** [SBMK21, MRRR02]. **ArchRepair** [QWG+23]. **Area** [LWD+24]. **Aria** [DRW96]. **Arithmetic** [GXSC21]. **Array** [NKWF14]. **artifact** [DFOT07]. **ASM** [BZSW14]. **Aspect** [Jac95a, SXX+24, DR10, HE13, KF07, RS09, SGR+10]. **aspect-** [RS09]. **Aspect-level** [SXX+24]. **aspect-oriented** [DR10, HE13, SGR+10]. **AspectJ** [HZS08, MHK11]. **Aspects** [GCX+22, HGHM23, RSBO23, SZH+19, BTI14]. **Aspirations** [CL23a]. **Assembly** [AM04, WMW+23]. **Assessing** [ACF97, CM23, Cai20, CXH23, RST+14, VBZ+18, YHL+22]. **Assessment** [CCRZ23, CMM+15, HAY+23, LWWM22, GJ08, PJRR10, SR05, Wey96]. **assigned** [BHL11]. **Assignments** [AFY+22]. **assistance** [GN93]. **assume** [CAC08]. **assume-guarantee** [CAC08]. **Assumptions** [HGW+16, IWY00]. **Asteria** [YDX+24]. **Asteria-Pro** [YDX+24]. **ASTOOT** [DF94]. **Atomic** [Liu22]. **Atomicity** [MWP+21]. **aToucan** [YBL15]. **Attack** [WWZ+22, YXM+23, ZCL+24, LLZ+24]. **Attacks** [AMGBK22, EWS14, GSC24, WCB+20]. **attribute** [KK93]. **Attributes** [RFR23, GL14]. **Augmenting** [DPB17, GCX+22]. **Author** [Ano96, TAW95]. **Autoencoder** [CCX+20]. **Automated** [Arc19, AG20, ASNB19, BLBB23, CSW21, DZV+23, Egy02, EMM24, FA14, FSM+15, FNT+24, GM01, GN93, HJL96, HAB+20, HCW+22, HDG+24, HGX+24, JO15, KSFC24, LKRF22, DGD+19, LZL+23, MZA22, MS14, NPB22, PGZ+20, RR23, RKBL19, STDB23, STGR21, SIB23, TZZ+23, TM14, WB13, WC23, XHL+24, YLM+23, YBL15, ZFM+24, ZSL+22, ZSW+22, ZWT+24, ZH24, BGO+14, CS12, CAC08, FN03, FRB+06, TBS92, XM07, XM08]. **Automatic** [BAJA23, CGPP15, CF03, DSV03, MGTR18, NBMK22, UKR21, BRRP05, DO93]. **Automatically** [CMM+15, CDKP21, FFM24, LZF+24, Mem08, YJW+20, LS13]. **Automating** [GZX+22]. **Automation** [NAF+23]. **Automaton** [EM18]. **Autonomous** [AMV23, FDC+21, GGPR24, LKA+23]. **Avoiding** [Hie06]. **Aware** [HAY+23, HGC+22, HQM+23, KAT12,

LWWM22, MS15, QHM+23, VLJ+18, WYW+22, CYA22, DFB99a, DFB99b, HZB+24, MGMM11, WYMW20, WXL+21, WMW+23, ZMC+24]. **Awareness** [PHS+24, SZZ+23].

**B** [SB06]. **back** [Not13]. **Backdoor** [MRO+23]. **Bad** [NMA+23, SWW+24]. **Based** [AB12, ARL+15, ASMP16, AFHC22, BMM+17, BC23, CLL+22, DDE11, DTC+24, EMM24, FFM24, GZX+22, GGZ+15, GCH+24, JZL+19b, KS22, KCMS24, LXL+22, LHX21, MWP+21, MFBF+22, OKS+16, SMBO21, SGD15, SNM23, SKY23, SVDHB23, TLP+22, TSPRC18, WB13, WPX+23, WJZ+23, XHL+24, XLD+24, YXK+17, ZTP+23, ZA22, ZAL+23, ZLW+21, ZWY+21, AAP+20, AG22, ABC+22, AVAS23, AFPB23, BGdV92, BCTW96, BLBB24, BT22, CCS24, CMP13, CDSM10, CY11, CCX+20, CL23b, Cia93, CMCP+99, CPPRM03, CW98, CZ19, DLP+24, DBGU13, DBPU13, FPBS23, GGGU21, GHX+24, Ham09, HLX23a, HAB13, JWC+24, KATS12, KKLS02, KKP+22, Kip92, KK04, Kuh99, LY05, LH08, LHW+24, MMST14, Mem08, MB07, MS03, MG00, MPF14, NLR11, NAF+23, OPK+21, PBO07, PZS+20, QNR13, RXX+19, RKBL19, SS06, SGE00, SB02, Sne96, TZZ09, TPT13, THHB06, TD01]. **based** [TK02, UKM04, WAF00, WXL+21, WSG+23, WI23, XM07, XCKX13, XAY23, XL20, YDX+24, YXZ+23, YHC13, ZYL+23, ZZC+23, ZFM+24, ZZX+21, OHDB92]. **Baseline** [SP18, WOM15]. **Bash** [DLT+23]. **basis** [AG97, AG98]. **Bayesian** [FTF22, PLM15, SMY19]. **BDD** [LH08, ZZC+23]. **BDD-based** [LH08, ZZC+23]. **Be** [CL23b]. **Behavior** [FDB+12, DDGR18, MAKM22, SS02, DBGU13, LK14, MG00, PP93, UKM04]. **Behavior-consistent** [SS02]. **Behavioral** [CZ19, GLFW22]. **Behaviors** [TZW+23, IWY00]. **Behaviour** [CCS24]. **Being** [RHV24, RHvB24]. **Belief** [BMC+23]. **benefits** [LH08, MC08]. **Best** [TLL+23]. **Better** [CCW+23, LWWM22, YB20, ZLP+24]. **between** [CXH23, Gun00]. **Beyond** [GWD+21]. **Bias** [CZSH23, HDKM23]. **Biases** [YLM+23]. **Big** [LGC+23]. **Bilevel** [SKBD14]. **Binaries** [JPS22, LWD+24]. **Binarized** [ZZC+23]. **Binary** [DGZ24, JFJ+23, YXX+23, YDX+24]. **BIP** [ABB+18]. **Bird** [CM23, JPS22]. **Black** [AFPB23, CCW+23, PGZ+20, RMCT22, CTCC98]. **Black-box** [AFPB23, PGZ+20, RMCT22, CCW+23]. **Blindspots** [BLS+23]. **Bloat** [NWB+18, XMA+14]. **Block** [QWG+23]. **Block-Level** [QWG+23]. **Blockchain** [AMGBK22, ASJA23, PORH23, YBZK21, ZOJH21]. **Blockchain-Powered** [ZOJH21]. **Boa** [DNRN15]. **Bookkeeping** [HSB+23]. **Boolean** [CCX11, KB07]. **Boosting** [CS22, GXLG21]. **Bootstrap** [SMY19]. **Bot** [KCMS24, RCAH23]. **Both** [TLL+23]. **bound** [CM08]. **Boundaries** [CSV13]. **boundary** [Hie06]. **Bounded** [PMS13]. **Box** [ZAL+23, AFPB23, PGZ+20, RMCT22, CCW+23]. **Brain** [VBZ+18]. **Breaking** [BKHT21, CAC08, VCP+23]. **Broke** [VCP+23]. **Brutus** [CJM00]. **Buddy** [ZWGX22]. **Budget** [SMBO21]. **Bug** [AFHC22, KKP+23, LRCS14, SNM23, TWB+19, ZHV+23, ZSL+22, AM11, CSX08]. **Bug-Fixing** [TWB+19]. **Bug-report-driven** [KKP+23]. **Bugginess** [GLL+23]. **Bugs** [AMS+18, CLS+23, CCVLW23, CCXZ23, DLT+23, ZSL+13, ZCW+24, Jac95a]. **Build** [JS23, MAL24]. **Building** [ELN+92, WWZ+22, KKLS02]. **Business** [LDUD13, DCS09, ODV+09]. **Bytecode** [SVDHB23].

**C** [BCGB21, CWM+20, DLRA15, SRTR17]. **C/C** [BCGB21, DLRA15]. **Cache**

[WCB+20]. **Caching** [TZD+24]. **CafeOBJ** [RO18]. **Calculus** [EW11, DSV03]. **Call** [ARL+15, ARG17, MNGL98]. **calls** [BHR95, MM13]. **Can** [CL22, CL23b]. **capabilities** [TS09]. **capability** [Kuh99, TK02]. **Cars** [BKD+23]. **Case** [Arc19, AVAS23, CCW+23, CXH23, EM15, FTF22, HZZ+14, KSFC24, OKS+16, RFR23, RPT+22, SMBO21, SMBK22, YBL15, ZOJH21, ZAL+23, ZMM+16, BJMH02, CD98, DO93, HAB13, MFH02, PSV01, SCK13, TBS92, YBL13]. **Cases** [BKD+23, CMM+15, IC14, TLP+22]. **Catalog** [YBZK21]. **Categorical** [BLBB23]. **Category** [CXH+21, YKY+23]. **Causal** [FTF24]. **Causality** [CFP+24, GGPR24]. **Causality-driven** [GGPR24]. **Causing** [NL11]. **centered** [ACF97, CDFG96]. **Centralised** [Hie14]. **Centrality** [ZCT18]. **centred** [LASL13]. **centric** [HWH14]. **Certificate** [NWZ+23, TCDZ19]. **Certification** [HML23]. **CFL** [LHX21]. **CFL-Reachability-Based** [LHX21]. **chaining** [FK96]. **Challenge** [XCS+22]. **Challenges** [MKR+23, NKL+24, PHS+24, XVN22, YXL+22]. **Change** [AHGZ23, LWWM22, YQTR15]. **Changes** [BKHT21, DR11, DPB17, VCP+23, WHP+23, PSV01]. **Channel** [EWS14, GSC24, KJHY22, GZSW19]. **Characteristics** [JCSA23, CF10, SM12]. **Characterization** [DZV+23, SGHM23]. **Characterizing** [LMY+24, XLW+22, YHXY24, ZCW+24]. **Charts** [RGS12]. **Chats** [CDKP21]. **Checker** [MWP+21, WYMW20, SGE00]. **Checkers** [LZL+23]. **Checking** [ALMS22, BHB16, CK99, DPRO23, EBE+14, DDGR18, ZZW+23, dFLSV14, BS07, BRRP05, BGL00, CDEG03, Esh06, FM94, FGMP03, HJL96, IWY00, JGB12, KATS12, KF07, NEFE03, PBO07, PMS13, SGL12, SMAC08, WGSD07, XCCY10]. **checkpoint** [CY11]. **Chef** [RRPW21]. **Chief** [Pez19d, Ros19]. **Choice** [EW11]. **Choices** [HDKM23, XSA+24]. **Cities** [FSZ+22]. **Class** [AB23, DLY+23, BM13, CTCC98, CTC01, CCX11, Egy02, LY05, PPP94, ZXLC14]. **class-level** [CTCC98]. **Classes** [AB12, VCF21, GRT09, HRD08, KB07, Kuh99, Pon02, Tiw08, TK02]. **Classification** [WCG+21, DFB99a, DFB99b]. **Classifications** [TZW+23]. **Classified** [WCG+21]. **Classifiers** [CZSH23]. **Classifying** [ETM22, OSH04]. **cleanroom** [TBS92]. **Clematis** [ASMP16]. **CLFuzz** [ZMC+24]. **Client** [MS14, VCP+23, ZZW+23]. **Client-Specific** [ZZW+23]. **Client-State** [MS14]. **Clone** [DER10]. **Clones** [MZW+23, YHL+22]. **Closer** [ZWZ+24]. **Cloud** [LJL+20]. **cluster** [CTC01]. **Clustering** [AFPB23]. **cmath** [BCGB21]. **Co** [LSH23, MS22, SYL+23, VD13]. **Co-creation** [MS22]. **Co-evolution** [LSH23, SYL+23]. **co-installability** [VD13]. **coarse** [BRR01]. **coarse-** [BRR01]. **Code** [BUB23, BXX+20, BFFG19, BC23, BLS+23, CXH+21, DLSC23, DLT+23, DNRN15, FTF22, GXG+20, GGH+23, GXL+23, GLL+23, GHX+24, GCH+24, HNRA20, HZBS14, HAB+20, HCW+22, HLX+23b, HYX+24, KS20, KKP+22, KJHY22, LLL+23, LLT+24, LWWM22, LLZ+22, LXL+22, MB15, MZW+23, OSD+23, OKS+16, PZS+20, PGZ+20, PLM15, RR23, SKBD14, STDB23, SBBL23, SGR+15, SRTR17, SWW+24, SURL11, SED14, SYL+23, SFC+24, SZZ+23, WLS+20, WPX+23, XLD+24, XVN22, YJW+20, YKY+23, YFD+23, YXX+23, YDX+24, YZY+24, YHL+22, ZYL+23, ZE14, ZZS+22, ZLP+24, ZWT+24, LLZ+24, Dev99, DER10, FMMH+14, MPG+13, PRM01, RM07, SGG+14]. **Code-Comment** [YKY+23]. **Code-line-level** [GLL+23]. **Code-Smell**

[SKBD14]. **Coded** [IC14]. **CodeEditor** [LLL+23]. **CodeMatcher** [LXL+22]. **Coding** [FTF24]. **Cognitive** [FDC+21, SHLW21]. **Cohesion** [AB12, CBRO16, CSC06, KK04, MB07]. **coincidental** [Hie06, MA14]. **Cold** [LWC+23]. **Cold-start** [LWC+23]. **Collaboration** [MS22, PLMC23, Sin10, SB02]. **collaboration-based** [SB02]. **collaborations** [HWH14]. **Collection** [TDL+24, TM14]. **Collective** [PWB23]. **Collegiate** [MAKM22]. **Colossal** [OBH24]. **Combat** [IRKY24]. **Combating** [NWB+18]. **Combatting** [LCL+23]. **Combinatorial** [NL11]. **Combined** [JS23]. **Combining** [DBNG15, Hie14, SMAC08, TLL+23, XZZL18]. **Come** [GLL+23]. **COMET** [LCT+23]. **Commands** [YZP+22]. **Comment** [CXH+21, GCH+24, HGD+23, WHP+23, YKY+23, ZZS+22]. **Commenting** [WHP+23]. **Comments** [Bre95, Pet97, WHP+23, ZWCH21]. **Commercial** [ZMM+16]. **Commit** [WXL+21]. **Commitments** [EBE+14]. **Commits** [ZSW+22]. **Common** [MGP+22]. **communicating** [Bro93]. **Communication** [CCY+21, ZQS+23]. **Communities** [ZMM+16]. **Community** [DR15]. **Companies** [ZLT+22]. **Comparative** [HGD+23, BRR01]. **Comparing** [EMM24, Hie02, PSW+20, YHC13, XM07]. **Comparison** [WB13, ZA23, ZLP+24]. **Comparisons** [GGZ+15]. **Compatibility** [ZZW+23]. **Competition** [MAKM22]. **Competitions** [FTF24]. **Competitiveness** [YXK+17]. **Compilation** [MAL24]. **Compiler** [CS22, MHK11, DFG00]. **Complete** [MWP+21, XL20]. **Completeness** [BLBB24]. **Completion** [MUB+23, PLM15, WYMW20, XSA+24]. **Completion-aware** [WYMW20]. **Complex** [BS16]. **Component** [SEM17, BCC92, CMP13, Ham09, IWY00, VD13]. **component-based** [CMP13]. **components** [BO92, CFM00, DFB99a, DFB99b, ZW97]. **Composing** [BLW09]. **Composite** [BGL00, KDM17]. **Composition** [Ost99, QSZG24, Ham09, REM+04, ZJ93]. **Compositional** [GSC24, HGW+16, CK96, CK99]. **Comprehensibility** [SGR+15, SGG+14]. **Comprehension** [BC23, MTRK14, RST+14, OSH04]. **Comprehensive** [CZSH23, GLL+21, DvdHT05]. **Compressed** [TZW+23]. **Computational** [LLG23]. **Computing** [BPSSA+22, LJL+20, LWC+23, OHDB92, TC20, WCJL23, EF05, FGL+12, MZ09, RMP97, XCCY10]. **Concept** [PGM12, Sne96]. **Concepts** [DG17, YXZ+23, MG00, SGL12]. **Conceptual** [QT12, TZZ09]. **Concerns** [DZV+23, MVM07, RM07]. **Concurrency** [MQLR16, ZSL+13, DL13, YTL+95]. **Concurrent** [AGRR19, MNB+22, SDG+24, Cor00, DKM+94, DCCN04, HZZ13, MRK+97, PTY95]. **Condition** [LXW+24]. **Conditional** [EBE+14]. **Conditions** [IRKY24, TDL+24, KB07, SRK06]. **ConE** [MNB+22]. **Conference** [MP14]. **Configurable** [AMS+18, CGZ23]. **Configuration** [BNB14, BSOM24, CL23a, ELvdH+05, Gun00, Jéz99]. **Configurations** [OBH24, SYA21, ZKW+23a, ZKW+23b, Sne96]. **Configuring** [XZZL18]. **Conflict** [BFFG19, ZSHD20, FN03]. **Conflicts** [SGHM23]. **Conformance** [ZCT18, Ber94, LK14, PBO07, Pet97]. **confounding** [ZXLC14]. **Conjunction** [ZJ93]. **ConMem** [ZSL+13]. **connection** [AG97, AG98]. **connectors** [LWF03]. **Consent** [RBPG23]. **Considered** [XCS+22]. **Consistency** [SEM17, HJL96, NEFE03, PBO07, XCCY10]. **Consistent** [LRL+22, SS02]. **Consolidation** [LDUD13]. **Constitutes** [BSOM24]. **constrained** [BM13, WRD+22].

**Constraint** [DBNG15, EMM24, GWD+21, SSB20, XCCY10]. **Constraints** [CZ19, DDMM22, MWK15, QT12, SGD15, CY11, CK96, OO92]. **Constructed** [LMY+24]. **constructing** [Hen97]. **Construction** [ARL+15]. **Constructs** [KS20]. **Consumption** [LVBBC+18]. **container** [XR13]. **Containers** [WWY+23]. **containing** [CFM00]. **Context** [CK96, GZW+23, GCH+24, HLX23a, KAT12, LWWM22, LHX21, SNM23, WXL+21, WYW+22, KGA+12, LH08, XCCY10, vdBV96]. **Context-** [WYW+22]. **Context-Aware** [KAT12, LWWM22, WXL+21]. **context-free** [KGA+12, vdBV96]. **context-sensitive** [LH08]. **Contexts** [ZLS+23]. **Contextual** [GZX+22]. **Continuous** [BZSW14, HMW23, JS23, SMBK22, ZTP+23]. **Contract** [HLX+23b, YABLR20, ZOJH21]. **Contracts** [AGHC+22, ASJA23, CXLG22, HSB+23, MRO+23, YQTR15]. **Contributions** [KCAS23]. **Contributor** [KCAS23]. **Contributor-Abandoned** [KCAS23]. **Control** [BHB16, CH21, HB22, KAS20, LYL+24, MSM+24, MCM24, VHNF22, BDL06, DL13, MMST14, MU00, SHR01, TBS92]. **Control-flow** [HB22]. **Controlled** [FSM+15, PSZ21, BFN+14]. **controllers** [DBPU13]. **controlling** [HGS93]. **Convolution** [YFD+23]. **Convolutional** [DLSC23, QSZG24]. **cookie** [TM14]. **cooperative** [HE13]. **Coordinating** [Cia93]. **coordination** [CFM00, MU00, MPR06, Tiw08]. **CORBA** [CPPRM03]. **CORBA-based** [CPPRM03]. **Core** [BAJA23]. **Core-Developer** [BAJA23]. **corners** [ZJ97]. **Correct** [TLL+23]. **Correctness** [AB23, LWWM22, TLP+22, Hie06, MA14]. **Correlating** [HCW+22]. **Correlations** [GL11]. **correspondence** [CW99]. **Corrigenda** [DFB99a]. **Cost** [CST16, FCLL21, NPB22, ZOJH21, ATW94, Bre95, REM+04, Wey96]. **Cost-Effective** [ZOJH21, FCLL21, NPB22, REM+04]. **Cost-Effectiveness** [CST16]. **Countermeasures** [EWS14, GSC24]. **Coupling** [CBRO16, KK04, MB07, Off92]. **Coverage** [DDS23, GRS+16, GGZ+15, GSYT21, LKA+23, LCT+23, MWK15, MB20, NWZ+23, PGZ+20, SVDHB23, XLW+22, YHC13]. **Coverage-Based** [GGZ+15, SVDHB23, YHC13]. **Coverage-directed** [NWZ+23]. **Coverage-guided** [LCT+23]. **COVID** [FSZ+22, RHV24, RHvB24, MKR+23]. **COVID-19** [FSZ+22, RHV24, RHvB24, MKR+23]. **CPU** [MPR+13]. **Craftsmanship** [SGhWG22]. **Crash** [GWD+21, ZSL+13, ZSL+22]. **Crash-Triggering** [ZSL+13]. **Crasher** [CSX08]. **Crayons** [CCVLW23]. **creation** [MS22]. **Criteria** [MWK15, MB20, OKS+16, PLMC23, TAA+19, Hie02, KSD08, XL20]. **critical** [FPBS23, GM01, MS94]. **Cross** [LLZ+22, WSG+23, ZYL+18, DCS09]. **Cross-Language** [LLZ+22]. **Cross-modal** [WSG+23]. **cross-organizational** [DCS09]. **Cross-Project** [ZYL+18]. **crosscutting** [SGL12, MVM07]. **Crowdtesting** [WYMW20]. **Crowdworker** [WYW+22]. **Crucial** [BPSSA+22]. **Cryptographic** [XSA+24, ZMC+24, DFG00]. **CSCW** [KAT12]. **CSP** [SLD+13]. **Curriculum** [XAY23]. **customizable** [Dev99]. **CVEs** [XCS+22]. **Cyber** [CYA22, MSM+24, MCM24, SGR+23, XAY23, XTW+23, ZTP+23]. **Cyber-Physical** [MCM24, ZTP+23, CYA22, MSM+24, XAY23, XTW+23]. **Cycle** [VCF21]. **Cycles** [OL22, SS02].

**Dahl** [Ano02]. **DAISY** [ZHS+23]. **Dark** [MCKG24, ZJ97]. **DARWIN** [QRLV12].

**Data** [BHB16, BLBB23, BLBB24, CYA22, CCY+21, CTC+23, CCXZ23, DPB17, DLY+23, FTF22, FTF24, GSYT21, HPH23a, HPH23b, HGC+22, KDM17, LM24, LLS+21, NWB+18, NBB15, SSB20, TG24, TTL+21, ZHS+23, BCC+01, BG98, CW98, FK96, For94, OSH04, TZZ09, WGG13]. **Data-Driven** [TG24]. **Data-flow** [CCXZ23]. **Data-Flow-Guided** [HPH23a, HPH23b]. **Data-Intensive** [NWB+18]. **Database** [MWK15, CF03, PWX14, WGSD07]. **Databases** [AG20]. **dataflow** [KSD08, HPH23a, HPH23b]. **Dataset** [YHL+22]. **Datasets** [UGKR22]. **Date** [OL22]. **David** [Ros13b]. **DC** [GRS+16]. **Deadlines** [DBNG15]. **Deadlock** [ABB+18, DBDS94]. **Dealing** [BMC+23]. **Deallocation** [CCXZ23]. **Debloating** [HLX23a, SVDHB23]. **Debt** [RXX+19]. **Debts** [GLL+21]. **Debug** [MWP+21]. **Debugging** [CMM+15, FPBS23, FSP+13, JO15, MQLR16, ZNZ+23, AM04, HRD08, OSH04, QRLV12]. **Decentralized** [EHF20, ML00]. **Deciding** [SGD15]. **Decision** [HGW+16, JWC+24, KDM23, XLW+22]. **Decision-making** [KDM23]. **Decisions** [AMGBK22, LLS+21, SGR+23, AM11]. **Decompiled** [DLY+23]. **Decomposition** [BSA22, CCRZ23]. **decoupling** [BTI14]. **deduction** [FS93]. **deductive** [GM01]. **Deep** [BT24, CYA22, CWW+20, CWM+23, CLS+23, CWH+21, GHX+24, HGC+22, HGX+24, HZB+24, JYZ+24, KFY23, LCT+23, LLSM22, LGX+22, LGC+23, LHW+24, MPT+21, MZW+23, NBMK22, QWG+23, RMCT22, SKY23, WXL+21, WCP+22, WWAC23, WT24a, WT24b, XLW+22, XLD+24, YDX+24, YHL+22, ZFL+22, ZXS+24, ZZS+22, ZLP+24, ZRGT23, ZZX+21, LLZ+24]. **DeepPatch** [WWAC23]. **DeepWukong** [CWH+21]. **Defect** [FAP22, KS20, NXL+22, ZYL+18, SM12]. **Defective** [VCF21]. **Defects** [AVY11, AHGZ23, FAP22, VCF21]. **Defined** [FFM24]. **Defining** [TG23]. **deGraphCS** [ZYL+23]. **Degree** [FMMH+14]. **Degree-of-knowledge** [FMMH+14]. **Delivery** [GJS+23, ZTP+23]. **Delta** [HT98, HVT98]. **DeltaDroid** [GJS+23]. **Demystifying** [SCL+23]. **Denoising** [BXX+20]. **Depended** [VCP+23]. **Dependence** [FCLL21, PXJ17, Dil97, SHR01, SRK06]. **dependences** [Jac95a, OSH04]. **dependencies** [BGO+14, Gun00, Rob08]. **Dependency** [JCSA23, RCAH23, SEM17, CY11, GL14]. **dependency-based** [CY11]. **dependency-driven** [GL14]. **Deployed** [AVY11]. **Deployment** [BSOM24]. **Depth** [XCS+22, SBBL23, ZXLC14]. **Derive** [YBL15, XM08]. **derived** [IWY00]. **Description** [Bjø19, DvdHT05, DJ97]. **Descriptions** [GCX+22, JZL+19a, YXZ+23, AAG95, BAD08, WJ10]. **descriptors** [DER10]. **DESEN** [KAS20]. **Deserialization** [SBBL23]. **Desert** [Rei99]. **Design** [AROK21, AMGBK22, BPT10, CCX+20, EK11, HDKM23, KDM23, LSN+23, LSBN24, Liu22, DDGR18, MFLL12, SGR+15, TG24, BM07, BO92, BRRP05, BFN+14, CSC06, CR94, FBC+13, FP02, GGLT07, LL00, MRK+97, RS09, SS06, SB06, SGR+10, YTL+95, ZB13]. **Design-Pattern** [SGR+15]. **Designers** [CZ19]. **Designing** [BCC+01, DL11, XM07, CPPRM03]. **designs** [SB02]. **Destruct** [CXLG22]. **Detect** [CSB+24, ZCL+24]. **Detecting** [AVY11, CWH+21, CCXZ23, GCX+22, LWD+24, LZF+24, DDGR18, MM13, WCB+20, YHXY24, YHL+22, ZSL+13, ZCW+24, Jac95a, LS13]. **Detection** [Cai20, CL22, CCY+21, EKL+19, GHM18, JPS22, LRCS14, MNB+22, MS14, NBMK22,

RD15, RXX+19, SKBD14, SXX+24, SZZ+23, UGKR22, WWZ+22, XMA+14, XAY23, XGF+23, YXX+23, YDX+24, YXM+23, ZAW92, ZFL+22, ZHV+23, ZLW+21, ZCL+24, ZMC+24, ZZL+24, ZWY+21, LLZ+24, FN03, Kuh99, SMT92, TK02, XR13]. **Detector** [ZZX+21]. **determination** [OLR+96]. **deterministic** [HT17]. **Developer** [BFFG19, BAJA23, CDKP21, CCY+21, EHEZ21, KS22, SHLW21, WFW+20, CF10, FMMH+14, Sin10]. **Developers** [CXH23, FSZ+22, NMA+23, NKL+24, PZS+20, PLZ+22, RHV24, RHvB24, YZP+22, ZWCH21]. **Developing** [HRD08, TAA+19, ZJW03, ZOJH21, MGMM11]. **Development** [BFFG19, BSA22, CFL+16, GTD21, KCMS24, LKRF22, LCS+22, LSB+23, MNB+22, MKR+23, MS15, PDHR23, RFDS24, SMY+24, TG23, ZCT18, AM11, DvdHT05, EAS08, ELN+92, GJ08, KK93, MFH02, PSV01, SCK13, Tiw08]. **development-oriented** [AM11]. **Deviated** [TZW+23]. **deviations** [CDFG96]. **device** [HHC+24, HDKM23]. **diagnosis** [NLR11]. **diagram** [BP05]. **Diagrams** [AB23, BM13, Egy02, Esh06, LK14]. **DiaPro** [CST16]. **Differ** [JA22]. **Differentiable** [FYW24]. **Differential** [LHW+24, MQLR16, NWZ+23, TCDZ19]. **DIG** [NKWF14]. **Digital** [XAY23]. **Digraphs** [EM15]. **Dijkstra** [Ano02]. **DIRE** [DLY+23]. **Directed** [SDLC23, YPRK14, NWZ+23]. **discipline** [KLV05]. **Discoverability** [ACSA23]. **Discovering** [CW98, GL11]. **Discovery** [Böh18, SPK14, ZHS+23, ZZW+23, GL14]. **Discrepancies** [SXX+24]. **discrete** [Ost99]. **Discrimination** [ZSWS23]. **Discussions** [EHEZ21]. **Dissecting** [FMMB23b, FMMB23a]. **Distinguishing** [HT17]. **Distributed** [BLX+20, DDI22, FCLL21, GTD21, Hie14, LGC+23, TG11, WME93, KK93, MU00]. **Distribution** [DDS23, HGC+22, HZB+24, TS09]. **Distribution-Aware** [HGC+22, HZB+24]. **Diversifying** [MJS+21]. **Diversity** [XHL+24, HAB13]. **DNN** [FPBS23, TZW+23]. **DNN-based** [FPBS23]. **DNNs** [AFPB23]. **Do** [CMM+15, CXLG22, CL23a, JA22, LYYC14, PLZ+22, SURL11, YZP+22, CAC08]. **Docker** [RSBO23]. **Dockerfile** [ZZL+24]. **Documentation** [CXH23, HCW+22, UKR21, TBS92]. **Documenting** [SGR+15]. **documents** [SMT92]. **Does** [CXH+21, FSM+15]. **Domain** [ASNB19, Bjø19, BMC+23, HZS08, YDX+24, ZE14, ZH24, BJMH02, BAD08, Hie09, JW94, SS06, ZAW92]. **Domain-specific** [HZS08, BJMH02, SS06]. **domain-testing** [JW94]. **domains** [Hie02]. **Done** [PORH23]. **Dormant** [FAP22]. **Double** [For94]. **DRIVE** [ZZL+24]. **Driven** [CCRZ23, CLBY18, DG17, FFM24, PVHW17, TG24, BDL06, GL14, GGPR24, GTD21, KKP+23, NPB22]. **Driving** [GGPR24, KSFC24, LKA+23, TZZ+23, BKD+23]. **DSD** [CSX08]. **DSD-Crasher** [CSX08]. **Dual** [CL23a, SNM23]. **Duplicate** [WYMW20, ZHV+23]. **Duplication** [ZLW+21, DER10]. **During** [MKR+23, FSZ+22, NKL+24, RHV24, RHvB24]. **DynAlloy** [FPGA07]. **Dynamic** [CST16, FCLL21, GJS+23, HB22, HSX+24, KMYK19, DDGR18, NKWF14, PXJ17, PSW+20, XMA+14, ZHS+23, CY11, DR10, FC00, FPB+05, GSH97, PJRR10]. **Dynamic-Analysis-Induced** [ZHS+23]. **dynamically** [WGSD07]. **Dynamics** [BSA22, KCAS23]. **Dynamite** [MPF14].

**E3** [JPL98]. **Eagle** [LHX21]. **Early** [CM23, CCS24, KDM17, KDM23]. **Easier** [CMM+15]. **Easy** [WWJ+24, ZWCH21]. **Ecosystem** [ZWZ+24]. **Ecosystems** [BKHT21]. **Edit** [LLL+23, MNB+22].

**editing** [BGdV92]. **Editor** [Pez19d, Ros19]. **Editor-in-Chief** [Pez19d, Ros19]. **Editorial** [DR15, GMRS03, Ghe05, Ghe07, Not07a, Not07b, Not07c, Not08a, Not08b, Not09, Not10, Not12, Not13, OGKW05, Pez19d, Pez19a, Pez19b, Pez19c, Pez20a, Pez20b, Pez21, Pez22, Pez24, Ros13a, Ros14c, Ros14a, Ros14b, Ros16, Ros17, Ros18a, Ros18b, Ros19, Pez23]. **Edsger** [Ano02]. **Education** [SMY+24]. **Effect** [GRS+16, HZBS14, JFJ+23, RST+14, ZSL+13, Off92, Sin10, ZXLC14]. **Effect-Oriented** [ZSL+13]. **Effective** [DGZ24, FYD+08, RD15, ZOJH21, ZBA23, ZRGT23, CF10, FCLL21, Hen97, NPB22, REM+04]. **Effectiveness** [CST16, CMM+15, GRS+16, MWK15, ODE21, UGKR22, VR23, CM08]. **Efficiency** [CMM+15, LH02]. **Efficient** [AGRR19, AVY11, CWW+20, EMM24, FPGA07, HSB+23, HQM+23, LYL+24, LSX+24, QHM+23, SRK06, WT24a, WT24b, ZRGT23, ZWGX22, ZNZ+23, dFLSV14, RH97]. **Efficiently** [DL11]. **Effort** [KS22, SP18, SMY19, WOM15, AM11, BM07, GJ08, MY13]. **Eight** [Pez24]. **elaboration** [UKM04]. **Element** [NAF+23]. **Elephant** [YLM+23]. **Elevator** [HAY+23]. **Eliciting** [JPL98]. **Elite** [WFW+20]. **Embedded** [BNB14, MFLL12, GGLT07]. **Embedding** [LWWM22, WMW+23, XSA+24, YFD+23, ZYL+23]. **Embeddings** [DLSC23, ETM22, TLL+23]. **Emergent** [LBZ14]. **Emoji** [CCY+21]. **Emoji-powered** [CCY+21]. **Emotion** [CCY+21]. **Empirical** [AROK21, AAP+20, BYTS23, BSOM24, CWM+20, CZSH23, CL23a, EHEZ21, FSM+15, FTF22, FTF24, GLL+21, HGC+22, KCMS24, LLSM22, LLS+21, MBH09, ODE21, PORH23, RSBP23, RWEB19, TWB+19, UGKR22, VCP+23, VLJ+18, YXK+17, ZHO+18, ZLP+24, BM07, BGH07, GHK+01, HT98, HVT98, MB07, MC08, MNGL98, SR05, Tiw08]. **Emulation** [DDI22]. **emulators** [MPR+13]. **Enable** [ZBA23]. **enabled** [VTA04]. **Enabledness** [DBGU13, GGGU21]. **Enabledness-based** [DBGU13, GGGU21]. **End** [ZSL+22, Dev99, LASL13]. **End-to-End** [ZSL+22]. **end-user** [LASL13]. **Energy** [LCL+23, LVBBC+18]. **Engineer** [WI23]. **Engineered** [TLL+23]. **Engineering** [AAP+20, CL22, CCS24, CL23b, DG17, DL11, DR15, FTF22, FTF24, GLFW22, HGHM23, LGX+22, LGC+23, MFBF+22, MBH+17, MP14, OKS+16, STS+18, SF18, UGKR22, WFF+19, WCP+22, YXL+22, ACF97, CDP04, ELvdH+05, KLV05, LASL13, RSB05, SR05, TBS92, UFG14, XL20, ZJ97]. **Engineering-related** [HGHM23]. **Engineers** [PLMC23, HBB+09]. **Engines** [SURL11]. **Enhanced** [JWC+24, YXM+23, SS06]. **Enhancement** [HGC+22, ZFL+22]. **Enhancing** [AG22, YDX+24, TS09]. **Enough** [CBRO16, MCB+23]. **Enriched** [HLX+23b]. **Ensemble** [UGKR22]. **Ensuring** [SEM17]. **Entity** [HSX+24]. **Entry** [BLBB23, BLBB24]. **environment** [ATW94, Bre95, FGMP03, Kli93, MRK+97, Rei99, RVMRM04, SN92, TY92]. **Environments** [BKD+23, ACF97, DHW98, ELN+92, KK93, Kli93, MGP+13, PJRR10, PWD+99]. **equations** [BRG+01, KGA+12]. **Equivalence** [LH02, MGTR18, DSV03]. **Equivalent** [LCZL14]. **Era** [LGC+23]. **ERC** [MRO+23]. **Errata** [AG98]. **Error** [TG24, Kuh99, TK02]. **errors** [TD01, ZAW92]. **ESP** [Cia93]. **Essential** [SLB+21]. **estimates** [GJ08]. **Estimating** [LLLM23, LSN+23, MB15, PBU16, BM07]. **Estimation** [CWW+20, KS22, LSBN24, PMM+99, SP18, WOM15, ZFL+22, MY13, TZZ09]. **Estimator** [KS20]. **Ethereum**

[ASJA23, CXLG22, MRO+23, PORH23, WWZ+22, ZOJH21, ZCZ+23]. **Ethics** [PHS+24]. **Evaluate** [KDM23, MGP+13]. **Evaluating** [KFY23, LH08, TAA+19, WGG13]. **Evaluation** [AAP+20, FMMB23b, FMMB23a, FA14, HCW+22, KDM17, MS15, RWEB19, SBMK21, SMBK22, YLM+23, YHL+22, ZWL+22, CAC08, DBDS94, KK93, MBH09, XCKX13]. **evaluations** [SM12]. **Event** [ASMP16, BCTW96, CW98, DBPU13, Mem08]. **Event-Based** [ASMP16, BCTW96, CW98, DBPU13]. **Events** [FPBS23]. **every** [LYYC14]. **Evolution** [Cai20, DR11, DKD21, KDM23, OSD+23, LSH23, RM03, RVMRM04, SN92, SYL+23, THHB06, WGG13]. **Evolutionary** [HLL+16, YB20, Hen97, MBH09]. **evolvability** [CS12]. **Evolving** [OSD+23, DCS09, QRLV12]. **EvoMaster** [Arc19, ZA22, ZAL+23]. **EvoSuite** [FA14]. **Exact** [HKMB+14]. **Examination** [ZYL+18]. **Examining** [MAKM22]. **Example** [LKRF22, WWJ+24]. **Examples** [BS16, ZCL+24]. **Exception** [CMP13, ZE14, RM03]. **Executables** [AEK+16]. **Execution** [CPCT21, KPC18, SBBL23, TDT+22, WCB+20, YPRK14, AM04, Dil93, DHW98, SMAC08]. **Executions** [BLX+20, EM18, PSW+20]. **Exhaustive** [HML23]. **Existing** [AG22]. **Expansion** [GCH+24]. **experience** [CMCP+99, YTL+95]. **Experiential** [SMY+24]. **Experiment** [OL22, PSZ21, BFN+14]. **Experimental** [CMM+15, DO93, DBDS94, OLR+96, SMT92]. **Experiments** [SGR+15, Ham09, YBL13]. **expert** [CF10, Kip92]. **Explainability** [RXX+19]. **Explainable** [WPX+23]. **Explanation** [FPBS23]. **Explicit** [BHB16]. **Explicit-Data** [BHB16]. **Exploiting** [CGPP15]. **Exploits** [SBBL23]. **Exploration** [CS22, ZRGT23, QNR13]. **Explorations** [PBU16]. **Exploratory** [GZW+23, TTL+21]. **Exploring** [CCW+23, MZW+23, RCAH23]. **Exposing** [LBZ14]. **expressions** [KGA+12]. **Expressive** [TG11, BLW09, WJ10]. **Extended** [EM15, EM18, ZE14, LY05]. **extensibility** [BJMH02]. **Extensible** [TG11]. **External** [GL14]. **Extracting** [KM10]. **Extraction** [ASNB19, AFPB23, ASJA23, BXX+20, GWD+21, HSX+24, YXZ+23, MN96]. **Extractive** [SFC+24]. **Extractive-and-Abstractive** [SFC+24]. **extractors** [MNGL98].

**FaaSLight** [LWC+23]. **Faced** [NKL+24]. **Facet** [DGK21]. **Facet-oriented** [DGK21]. **faceted** [DFB99a, DFB99b]. **Facilitating** [RKBL19, YBL13]. **factors** [SAB+14]. **factory** [BCC92, FLM+98]. **Failed** [JA22]. **Failing** [TLP+22]. **Failure** [NL11, Wey96]. **Failure-Causing** [NL11]. **Failures** [HMW23, JO15, LJL+20]. **Fair** [MCB+23]. **Faire** [LXW+24]. **Fairness** [LXW+24, MCB+23, WYW+22]. **Fairness-Aware** [WYW+22]. **families** [BCD02]. **Family** [GHM18, RKBL19, SGR+15, WFF+19]. **Family-based** [RKBL19]. **Fan** [MVM07]. **Fan-In** [MVM07]. **Far** [CL22, GLL+21, GLL+23, HZX+24, ZHV+23, ZYL+18]. **Farewell** [Ros19]. **Fast** [WWY+23]. **Fault** [AROK21, EKL+19, HMW23, JWC+24, KKP+23, KMYK19, Kuh99, NBMK22, TSPRC18, YHC13, YXK+17, ZLS+23, CCX11, Hie02, Hie09, KB07, LY05, MA14, SMT92, TK02, XCKX13, ZXLC14]. **Fault-Prone** [AROK21]. **Faults** [HZBS14, MZA22, SRTR17, LS13]. **Faulty** [SYA21]. **Feasibility** [EK11]. **Feature** [ABC+22, AFPB23, CLBY18, DDS23, FN03, HLL+16, RWEB19, WRD+22, ZRGT23, ZS97, ZZL+06]. **Feature-Guided** [CLBY18]. **Features** [JZL+19a, KS22,

KMYK19, TLL+23, ZCZ+23, DR10, Zav04]. **Feedback** [SDLC23, GJ08]. **Feedback-Directed** [SDLC23]. **Feedforward** [BK23]. **FEMOSAA** [CLBY18]. **Field** [DPB17, JO15]. **Fields** [BLBB23]. **File** [DGZ24]. **Filling** [BLBB23]. **Filtering** [EMM24]. **Finding** [OBH24, TZW+23, CSX08]. **Fine** [PGZ+20, BRR01, DL13]. **Fine-grained** [PGZ+20, BRR01, DL13]. **Finite** [BM13, DDMM22, EM18, Cor00]. **Finite-State** [EM18, Cor00]. **Firmware** [WRD+22]. **First** [DR15, GSC24, HHC+24, MCKG24]. **First-Order** [GSC24]. **Fitness** [FFM24]. **Fix** [LZL+23]. **Fixed** [OL22]. **Fixed-Date** [OL22]. **Fixes** [SNM23]. **Fixing** [SRTR17, TWB+19]. **FlagRemover** [BHL11]. **flags** [BHL11]. **Flaky** [PKHM22]. **Flexible** [NEFE03, BTI14]. **Floating** [BCGB21]. **Floating-Point** [BCGB21]. **Flow** [CH21, DCCN04, HPH23a, LYL+24, TDL+24, ZYL+23, CCXZ23, For94, HPH23b, HB22, WWY+23]. **flow-sensitive** [For94]. **flows** [MP09]. **Focused** [MJS+21]. **Fold2Vec** [BC23]. **Follow** [STS+18]. **Foraging** [FSP+13]. **Formal** [BP05, CTA+21, CR94, EWS14, GXSC21, RO18, YJW+20, AG97, AG98, BRRP05, BKM07, CS12, CMCP+99, CRST12, CPPRM03, FP02, MMST14, PGM12, SCK13, VTA04, SB06]. **Formalizing** [AAG95, CD98, BP98, CDFG96]. **Formally** [WI23, CMCP+99]. **FormatFuzzer** [DGZ24]. **Formats** [DGZ24]. **formatters** [vdBV96]. **Formed** [TC20]. **Forms** [BLBB23, BLBB24]. **formulas** [XCKX13]. **forward** [Ros13a]. **Found** [MZA22]. **Foundation** [XTW+23, SCK13]. **Foundations** [KF07]. **Founded** [WI23]. **Four** [ZJ97, CD98]. **FQN** [HYX+24]. **Fragile** [HDKM23]. **frames** [KK04]. **Framework** [AEK+16, CTA+21, CLS+23, DR11, JYZ+24, KAT12, LWD+24, MAL24, MS15, SFC+24, SIB23, TG24, WSG+23, WWZ+22, XW22, YBL15, BCTW96, CDP04, CDFG96, Dev99, For94, MS03, SGL12, WGG13]. **Free** [RCAH23, HGX+24, KGA+12, vdBV96]. **Freedom** [ABB+18]. **front** [Dev99]. **front-end-retargetable** [Dev99]. **FSMs** [HT17]. **Full** [SRTR17]. **Full-Word** [SRTR17]. **Function** [CXLG22, JFJ+23, LWC+23]. **Function-as-a-Service** [LWC+23]. **Functional** [Bro93, GD08, LLLM23, RST+14, MGP+13]. **Functions** [BCGB21, FFM24, Hie09, MPG+13, VKV03]. **Future** [Pez24]. **FuzzBench** [FMMB23b, FMMB23a]. **Fuzzer** [HPH23a, HPH23b]. **Fuzzing** [DGZ24, HQM+23, LHW+24, LSX+24, NKL+24, QHM+23, ZKW+23a, ZKW+23b, ZBA23, ZA23, ZAL+23, ZMC+24]. **Fuzzy** [FMMB23b, FMMB23a].

**Gaia** [DL11, ZJW03]. **Gaia-PL** [DL11]. **Game** [NMA+23]. **Gas** [ZOJH21]. **General** [LWC+23, CCX11]. **Generalizable** [DLSC23]. **Generated** [CMM+15, FFM24, LS13, WGSD07]. **Generating** [ARG17, DRW96, GXG+20, HT17, IC14, SSB20, YJW+20, Kli93]. **Generation** [Arc19, AG20, BFFG19, DTC+24, EMM24, FA14, FSM+15, GZX+22, GSYT21, GCH+24, HLL+20, HAB+20, HCW+22, LCT+23, LHW+24, MZA22, MGTR18, SMBO21, SWW+24, WXL+21, XHL+24, XVN22, YZY+24, ZA22, ZZS+22, ZWT+24, vdBV96, EF05, FK96, FRB+06, HZS08, PWX14]. **Generation-based** [LHW+24]. **Generative** [KAT12]. **Generator** [NKWF14, DO93]. **Generic** [CWM+20, LL00]. **Genetic** [DBNG15, YXK+17]. **GENOA** [Dev99]. **Git** [YZP+22]. **GitHub** [BYTS23, BAJA23, WBRH23]. **Gitter**

[EHEZ21]. **Global** [ABB+18, CFL+16, WFF+19, ZLS+23]. **Go** [CL22, GLL+23]. **Goals** [BBS16, DBPU13]. **Good** [SWW+24, YZY+24]. **Google** [CCH+21]. **governed** [MU00]. **GQM** [FLM+98]. **Graded** [Ban23]. **grained** [BRR01, DL13, PGZ+20]. **grammars** [KGA+12]. **grammarware** [KLV05]. **Graph** [ARL+15, CWH+21, DLP+24, DLSC23, HLX+23b, LD24, NBMK22, PTY95, TG23, WPX+23, YFD+23, ZYL+23, MNGL98]. **graphical** [DKM+94, MRK+97]. **GraphPrior** [DLP+24]. **graphs** [SRK06]. **GreASE** [dFLSV14]. **Greenkeeper** [RCAH23]. **Grid** [EMM24]. **Grid-Based** [EMM24]. **Group** [BSA22, ZSWS23]. **growth** [JMS08]. **guarantee** [CAC08]. **Guaranteeing** [ALMS22]. **Guarantees** [OBH24]. **GUI** [ABC+22, Mem08, XM07, XM08]. **GUI-based** [XM07]. **Guide** [HAB+20]. **Guided** [CLBY18, GGH+23, HPH23a, PWX14, SDG+24, WRD+22, ZLS+23, ZZW+23, HPH23b, LCT+23, TCDZ19]. **Guidelines** [FTF22, GGZ+15, GLFW22]. **Guiding** [CL23a]. **GUIs** [HDG+24, LVBBC+18].

**HAMPI** [KGA+12]. **handle** [LYYC14]. **handlers** [CMP13]. **Handling** [AG20, ZE14]. **Hard** [LSBN24, CAC08]. **Harmful** [CL23b]. **Hazard** [FPBS23]. **Hazard-triggering** [FPBS23]. **HCSP** [YJW+20]. **healing** [CMP13]. **Health** [LM24]. **Heap** [LKR22]. **Help** [FSM+15]. **Helpfulness** [KCMS24]. **Heterogeneous** [SXX+24, WSG+23, MU00]. **Heuristic** [CM23, ZHO+18, ZZX+21]. **Heuristics** [ZBA23]. **Hidden** [SCL+23]. **Hierarchical** [CGZ23, HZB+24, JEB+23, YWC16, BO92, SLD+13, WJ10]. **hierarchies** [CCX11]. **hierarchy** [BM13, DFB99a, DFB99b, LY05]. **hierarchy-aware** [DFB99a, DFB99b]. **high** [CF03]. **high-quality** [CF03]. **Higher** [GXSC21, LWF03, XTW+23]. **Higher-Order** [GXSC21, LWF03, XTW+23]. **Highly** [AMS+18]. **HINNPerf** [CGZ23]. **Hippodrome** [CTC+23]. **History** [ARG17, OPK+21, FM94]. **History-based** [OPK+21]. **history-checking** [FM94]. **Hoc** [CDKP21]. **Holistic** [FDC+21]. **Home** [FSZ+22, MKR+23]. **Horus** [LSX+24]. **Host** [LSX+24]. **Host-VM** [LSX+24]. **hosts** [MPR06]. **HOTTest** [SS06]. **Human** [HGHM23, HCW+22, NKL+24, SPAS21, YXK+17, CDFG96]. **human-centered** [CDFG96]. **Hybrid** [GXSC21, GSH97, JEB+23, ZMM+16, CRST12, CSX08]. **HybridCISave** [JS23]. **Hybridized** [BBS16]. **Hyper** [ZHO+18]. **Hyper-Heuristic** [ZHO+18]. **Hypermutation** [ZA22]. **Hyperparameter** [LLSM22]. **hypotheses** [Hie02, Hie09]. **Hypothesis** [WSG+23].

**iBiR** [KKP+23]. **ICSE** [MP14]. **IDE** [XVN22]. **Identification** [BAJA23, DZV+23, GHM18, GLL+23, STDB23, SYL+23, WRD+22, WC23, ZCZ+23, ZSW+22]. **Identifier** [SRTR17, ZLL+23]. **Identify** [HNRA20]. **Identifying** [CDKP21, GLL+21, MVM07]. **Identity** [ZQS+23]. **IFDS** [HLX23a]. **IFDS-based** [HLX23a]. **III** [MKS+15]. **Image** [CCX+20, TZW+23]. **Images** [RSBO23]. **Impact** [AHGZ23, CST16, ELvdH+05, FAP22, FTF24, LLSM22, LLS+21, MZW+23, PVHW17, Tiw08, ZLW+21, EAS08, MA14, RSB05, SGG+14]. **Impact-Driven** [PVHW17]. **Impacts** [TDT+22]. **Implementation** [KDM17, Liu22, ZCT18, ZMC+24, BO92, BPT10, LH08, SB02, WWL+23]. **Implementations** [GZSW19, NWZ+23, TTL+21, TCDZ19]. **implementing** [CDP04]. **implicit** [SPAK10]. **implied** [UKM04]. **Important**

[LXL+22, YZY+24]. **Improve** [ABC+22, CCH+21, VHNF22]. **Improved** [CST16]. **Improvement** [CXH+21, WWAC23, SR05]. **Improving** [ASNB19, BGO+14, Cai20, DTC+24, JYZ+24, PWB23, WYMW20, YHL+22, ZH24, DPT13, GJ08, LH02]. **In-Depth** [XCS+22, SBBL23, ZXLC14]. **In-IDE** [XVN22]. **In-Process** [WYW+22]. **Inclusive** [SMY+24]. **Incoming** [Pez19d]. **Incompatibility** [XGF+23]. **Incompatible** [LZF+24]. **Inconsistencies** [WBRH23, CDFG96, GZ05]. **inconsistent** [HN98]. **Incorporating** [SZZ+23, YDX+24]. **Incremental** [DPB17, UKM04, YPRK14, KK93, KF07]. **incrementally** [KKLS02]. **Independent** [WHP+23]. **Index** [Ano96, TPT13]. **index-sensitive** [TPT13]. **Indicators** [AAP+20]. **Induced** [ZHS+23]. **Inductive** [ASJDW21, BG96]. **Industrial** [HAY+23, OKS+16, ZAL+23, CMCP+99, FLM+98, SR05]. **Industrially** [VHNF22]. **Industry** [MS22]. **Industry-Academia** [MS22]. **Inference** [HYX+24, NBB15, SMY19]. **Inferred** [LZL+23]. **Inferring** [EM18, MG00, RO18]. **Inflow** [ZMM+16]. **Influence** [HGHM23, RSBO23, Sin10]. **Influential** [ZLS+23]. **Information** [CXH23, FSP+13, RFR23, SXX+24, WCB+20, ZLP+24, DFOT07, FBC+13, GSH97, MP09, PGM12, TZZ09, THHB06, Wey96, YHC13]. **information-theoretic** [YHC13]. **informed** [YHG+24]. **infrastructures** [BDL06]. **inheritance** [KKLS02]. **inheritance-based** [KKLS02]. **Injection** [KKP+23]. **Inline** [HGD+23]. **Inlining** [JFJ+23]. **inner** [SAB+14]. **Input** [DLP+24, DDS23, EMM24]. **inspections** [BFN+14, PSMV98]. **Inspired** [FNT+24]. **installability** [VD13]. **Instances** [SGR+15]. **instruction** [AM04]. **IntDroid** [ZWY+21]. **Integer** [DLRA15, XL20]. **Integrated** [YB20, CTCC98, ELN+92, PWD+99, SCK13]. **Integrating** [BFFG19, FRB+06, SBS+23, GSH97]. **Integration** [HMW23, JS23, ZTP+23, BCTW96, BHR95, SN92, YHR92]. **Integrity** [MWK15]. **Intellectual** [CSV13]. **Intelligent** [PLM15]. **Intended** [GZW+23]. **Intensive** [NWB+18]. **Intent** [YXM+23]. **Inter** [SEM17]. **Inter-** [SEM17]. **Interacting** [GRT09, SYA21]. **Interaction** [AB12, CGZ23, DDS23, MU00]. **Interaction-Based** [AB12]. **Interactions** [ASMP16, PWX14]. **interchangeability** [DPT13]. **Interface** [PSZ21, CL94]. **Interfaces** [IC14, BRRP05, BTI14]. **Interleaving** [SDG+24]. **international** [NP08, MP14]. **Internet** [YBZK21]. **Interpretable** [YFD+23, ZSWS23]. **Interpretation** [LRL+22, WCG+21, CSC06]. **interpreters** [BP05]. **Interpreting** [ZZX+21]. **Interprocedural** [OO92, SHR01, For94]. **Interval** [SMY19, CDSM10, DKM+94]. **interval-based** [CDSM10]. **Interventions** [RPT+22]. **Interview** [ZTP+23]. **Interview-Based** [ZTP+23]. **Intimacy** [ZWY+21]. **Intra** [SEM17]. **Intra-Component** [SEM17]. **Intrinsic** [CGPP15]. **Introduced** [RCAH23]. **Introduction** [GLFW22, HP15, MP14, NP08]. **Invariant** [NKWF14]. **Invariants** [NKWF14]. **investigating** [HBB+09, CXLG22, JFJ+23]. **Investigation** [CL23a, LRCS14, WWZ+22, MC08]. **Investigations** [Off92]. **invocation** [SPAK10]. **Involvement** [ZMM+16]. **iOS** [HHC+24]. **IoT** [SMBK22]. **IP** [MR99]. **iSENSE2.0** [WYMW20]. **Isolation** [JZL+19b]. **ISSTA** [NP08, HP15]. **Issue** [AHGZ23, HP15, MP14, PWB23]. **Issues** [LCL+23, Pez23, Pez24]. **items** [Gun00]. **iterative** [For94].

**J** [TS09]. **J-Orchestra** [TS09]. **Java** [BS07, BLS+23, Cor00, HRD08, KM10, LTX19, MRR05, MAL24, RD15, SBBL23, SRTR17, SGHM23, SVDHB23, TS09, WHP+23, XR13]. **JavaScript** [ASMP16, NXL+22, ZBA23]. **Johan** [Ano02]. **Join** [BTI14]. **Joint** [HSX+24]. **Journal** [DR15]. **Journal-First** [DR15]. **Journey** [ZYL+18]. **JUnit** [WC23]. **Just** [NXL+22]. **Just-In-Time** [NXL+22].

**KAPE** [GHX+24]. **Katana** [SNM23]. **KBSE** [DJ97]. **Kernel** [LSX+24]. **Key** [GCX+22, SAB+14]. **Killing** [CPCT21]. **KLEESpectre** [WCB+20]. **Knee** [CLBY18]. **Knee-Driven** [CLBY18]. **Know** [GXL+23, YZP+22]. **Knowledge** [CH21, GZX+22, HLX+23b, MS22, TG23, WPX+23, WJZ+23, YDX+24, ZZW+23, FMMH+14, KK04, MG00]. **knowledge-based** [KK04, MG00]. **Knowledge-Guided** [ZZW+23]. **Kristen** [Ano02]. **Kubernetes** [RSBP23].

**L2S** [XW22]. **Label** [VCF21, ML00]. **Labeling** [HGX+24, YXZ+23]. **Labeling-free** [HGX+24]. **LaF** [HGX+24]. **Landscape** [LM24]. **Landscapes** [TZZ+23]. **Language** [AROK21, DLT+23, HSX+24, HYX+24, KJHY22, LMY+24, LLZ+22, WB13, WJZ+23, XVN22, BGdV92, CL94, CFM00, GZ05, JPL98, SHO95, TY92, WAF00, MRRR02]. **language-based** [BGdV92, WAF00]. **Languages** [Bjø19, CXH23, FTF22, FTF24, BJMH02, BHR95, CDSM10, DvdHT05, HZS08, KSD08, RSB05, vdBV96]. **Larch** [CL94]. **Larch/Smalltalk** [CL94]. **Large** [BNB14, DNRN15, FA14, KCAS23, KCMS24, LJL+20, LLZ+22, MNB+22, MAL24, RFDS24, Rus21, WT24a, WT24b, YZP+22, MC08, PSV01]. **Large-Scale** [BNB14, FA14, LLZ+22, MAL24, RFDS24, WT24a, WT24b, MNB+22, Rus21, YZP+22, PSV01]. **Latency** [LWC+23]. **latent** [BGO+14]. **Lattice** [DDE11]. **Lattice-Based** [DDE11]. **Law** [MU00]. **Law-governed** [MU00]. **laws** [LSV08]. **layers** [SB02]. **Layout** [LKR22]. **lazy** [FC00]. **Leads** [DPRO23]. **Leads-to** [DPRO23]. **leak** [XR13]. **Leakage** [WCB+20]. **Learn** [KMYK19]. **Learn-to-Rank** [KMYK19]. **Learned** [RCAH23, TLL+23]. **Learning** [ASNB19, BS16, BLBB23, BLBB24, BT22, BT24, CSB+24, CYA22, CZSH23, CWM+23, CLS+23, DKD21, DLSC23, FCLL21, HGW+16, HZX+24, HGC+22, HZB+24, HDKM23, JYZ+24, KKP+22, KFY23, LLLM23, LCT+23, LLL+23, LGX+22, LGC+23, LHW+24, LM24, MPT+21, MZW+23, MS15, NBMK22, RFR23, RMCT22, SWW+24, SNM23, TWB+19, WLS+20, WCP+22, WWAC23, XLD+24, XAY23, YDX+24, YHL+22, ZFM+24, ZLW+21, ZLP+24, ZRGT23, ZZX+21, BG96, MY13]. **Learning-based** [BLBB24, BT22, YDX+24, ZFM+24, ZZX+21]. **legacy** [THHB06]. **Less** [PBU16]. **Lessons** [RCAH23]. **Level** [BNB14, DG18, QWG+23, AM04, CCRZ23, CTCC98, GLL+23, KSD08, LWC+23, LYL+24, MMST14, Sin10, SXX+24]. **levels** [CTC01]. **Leveraging** [AHGZ23, CH21, LLT+24, VCF21]. **lexical** [MN96]. **LibAM** [LWD+24]. **Libraries** [LWD+24, LHW+24, ZW95]. **Library** [DKD21, LCT+23, OHDB92]. **License** [WBRH23, XGF+23]. **LiDetector** [XGF+23]. **Life** [VCF21, SS02]. **Lightweight** [GHM18, MN96, Jac02]. **LIME** [MPR06]. **Line** [CTA+21, DL11, ZCT18, GLL+23]. **Linear** [SP18, ZAW92]. **Lines** [HLL+20, HAB+20, XZZL18, XHL+24, BJMH02, KATS12, MPG+13]. **Linking** [KS20, SZH+19, FC00]. **Links** [PWB23, DFOT07]. **Literature**

[BUB23, CCS24, LCS+22, SBMK21, TWS+22, WCP+22]. **Little** [LM24]. **liveness** [DBPU13, SGE00]. **Local** [ABB+18, TC20, ZLS+23, ZWGX22]. **Localisation** [YXK+17]. **Localization** [AFHC22, HMW23, JWC+24, KMYK19, NAF+23, TSPRC18, ZLS+23, MA14, XCKX13, YHC13]. **locating** [TD01]. **Location** [RWEB19, PGM12, ZZL+06]. **Lockdowns** [MKR+23]. **Locking** [CCVLW23]. **Log** [CCW+23]. **LoGenText** [DTC+24]. **LoGenText-Plus** [DTC+24]. **Logging** [DTC+24]. **Logic** [BMM+17, XLW+22, DKM+94, PMS13, TPT13, ZS97]. **Logic-Based** [BMM+17]. **logical** [FGL+12, MS94]. **Logics** [DDMM22, DJ97]. **Longitudinal** [JEB+23, RHV24, RHvB24]. **Look** [HHC+24, MCKG24, ZWZ+24]. **looking** [Not13, Ros13a]. **loop** [BHL11]. **loop-assigned** [BHL11]. **Loops** [FYW24, MSM+24, RD15]. **Lop** [FMMB23b, FMMB23a]. **Lost** [YHXY24]. **LSCs** [MHK11]. **LTL** [BLS11]. **Lunch** [RCAH23].

**Machine** [BLBB23, CLL+22, CZSH23, DKD21, DTC+24, HDKM23, LLLM23, RFR23, SWW+24, TWB+19, ZLW+21]. **Machine-Learning-Based** [ZLW+21]. **Machines** [PSZ21, WJ10]. **macro** [Sin10]. **macro-level** [Sin10]. **Made** [WWJ+24]. **Mae** [RVMRM04]. **Maintainability** [KDM17, KDM23]. **Maintaining** [WWAC23, ZCT18]. **Maintenance** [PLMC23]. **majority** [MM13]. **Make** [BKHT21, CMM+15, SGR+23]. **Making** [SGR+23, KDM23]. **Malware** [Cai20, GHM18, WCG+21, ZLW+21, ZWY+21]. **Managed** [NWB+18]. **Management** [MGP+22, WYMW20, ZQS+23, DFOT07, ELvdH+05, Jéz99]. **Managers** [SGR+23]. **Managing** [HN98, RVMRM04]. **Manifesting** [VCP+23]. **Manifests** [RSBP23]. **Manipulation** [MS14, TTL+21, BG98]. **Manual** [BFFG19]. **Manually** [FFM24]. **Many** [HLL+16, HLL+20, MKS+15, XZZL18]. **Many-Objective** [HLL+16, HLL+20, MKS+15, XZZL18]. **Mapping** [HDG+24]. **Markov** [HGW+16, WP93]. **Marple** [LS13]. **marts** [BCC+01]. **Masked** [GZSW19, GXSC21]. **Masking** [GSC24]. **Mastering** [SPAS21]. **Matching** [ABC+22, LKRF22, LWD+24, WAH23, ZW95, ZW97]. **Matching-based** [ABC+22]. **Math** [SPK14]. **math.h** [BCGB21]. **math.h** [**?**]Bagnara:2021:PAV. **mathematical** [Sne96]. **Matter** [CL23a]. **Maturity** [VHNF22]. **MC** [GRS+16]. **MC/DC** [GRS+16]. **MDD** [MGP+13]. **MDE** [AB23]. **MDESL** [SZH+19]. **Me** [VCP+23]. **Means** [KKP+22, BG96]. **Measure** [SHLW21]. **Measurement** [PGZ+20, XSA+24, GD08, MGP+13]. **Measures** [MCB+23, PSW+20]. **Measuring** [BSA22, DDS23, MP09, ZSHD20, CW99]. **mechanism** [MU00, WAF00]. **mémoire** [PWB23]. **memoriam** [Ros13b]. **Memory** [AEK+16, CSB+24, CCXZ23, JPS22, LSX+24, NWB+18, PWB23, WWY+23, XCS+22, XR13]. **Memory-related** [CSB+24]. **Memory-Safety** [XCS+22]. **Merge** [SGHM23]. **Merging** [FDB+12, RKBL19, LDUD13]. **Message** [RGS12, TG24, WXL+21, CR94]. **Meta** [ZHO+18, Kli93, HZS08]. **Meta-** [ZHO+18]. **meta-AspectJ** [HZS08]. **meta-environment** [Kli93]. **Metaconstraints** [DDMM22]. **metalocking** [BS07]. **Metamodel** [LKRF22, PBO07]. **Metamodel-based** [PBO07]. **Metamodels** [AB23]. **Metamorphic** [SDLC23, SDG+24]. **Method** [AB12, CF10, HGD+23, OL22, WWL+23, YZY+24, BRRP05, MG00, MM13]. **Method-Method** [AB12].

**Methodological** [GLFW22]. **Methodology** [LBZ14, CTC01, DCS09, FGL+12, FRB+06, HGS93, KSD08, MPR+13, MGMM11, RBL+01, SCK13, ZJW03]. **Methods** [CZSH23, KCAS23, SXX+24, VBZ+18, ZCL+24, CMCP+99, DFOT07, DBDS94, Rus21]. **Metric** [AB12, VHNF22, PMS13]. **Metrics** [KS20, KS22, ZQS+23, CSC06, KK04, MSW12, MB07]. **MICOSE4aPS** [VHNF22]. **Microservice** [ZQS+23]. **Microservices** [CCRZ23]. **middleware** [EAS08, MPR06, VTA04]. **Migration** [CSW21, SPK14]. **millions** [MPG+13]. **Mined** [GXG+20]. **Minimal** [NL11]. **Minimization** [XL20]. **Mining** [BBS16, DNRN15, KL21, LCS+22, PZS+20, SPK14, SBS+23, ZZL+24]. **Mining-based** [PZS+20]. **Misconfigurations** [RSBP23]. **Missing** [GCX+22, SWW+24, ZWL+22, MM13]. **Mitigation** [CZSH23, MA14]. **Mixed** [KCAS23, Rus21]. **Mixed-Methods** [KCAS23, Rus21]. **Mixin** [SB02]. **Mobile** [ETM22, JZL+19a, LCL+23, RMP97, ZE14, CFM00, FGMP03, FC00, MZ09, MR99, PRM01]. **Mobility** [JZL+19b, MPR06, PRM01]. **Mock** [ZWT+24]. **Mockups** [RST+14]. **modal** [WSG+23]. **Mode** [MCKG24]. **Model** [ALMS22, AFHC22, ASNB19, BS16, BDL06, BS07, BHB16, CCS24, CXH+21, DG17, DPRO23, EBE+14, GRS+16, GZW+23, GTD21, HGX+24, HSX+24, HYX+24, JYZ+24, LKRF22, DGD+19, LCT+23, LLSM22, LGC+23, DDGR18, MMST14, NBB15, OPK+21, PVHW17, LDUD13, Rus21, TSPRC18, WWAC23, WI23, WOM15, YZY+24, BKM07, BGL00, CS12, Cal95, CDEG03, CW99, Dil93, Esh06, FGMP03, HAB13, JGB12, KF07, LL00, MS03, MN96, MPR06, ML00, NLR11, PBO07, RVMRM04, SMAC08, SS06, SGE00, TZZ09, VTA04, XM08]. **Model-Based** [AFHC22, CCS24, MMST14, WI23, HAB13, MS03, SS06, TZZ09]. **model-checking** [BGL00, CDEG03, FGMP03, KF07]. **Model-Driven** [DG17, GTD21]. **Modeling** [BRG+01, BSA22, FMMH+14, JZL+19b, MFLL12, MR99, MRRR02, SLD+13, SZZ+23, BCFM06, BAD08, CDP04, DCS09, DHW98, PWD+99, SB06]. **Modelling** [BZSW14, Bjø19, CFP+24, DGC14, DGK21, Jac02]. **Models** [BMM+17, BT24, BMC+23, CYA22, DG18, EM18, FDB+12, GZW+23, HLL+16, HHC+24, JPS22, JYZ+24, DGD+19, LLL+23, LLT+24, LRL+22, QSZG24, RGCS14, TC20, TZW+23, WB13, YJW+20, YXL+22, YBL15, ZFL+22, LLZ+24, BDL06, CMCP+99, CW98, Cor00, JPL98, MGP+13, MG00, MPF14, ODV+09, PTY95, SGG+14, SCK13, UKM04, YBL13]. **Models-Detection** [ZFL+22]. **Modern** [BUB23, RSB05]. **modifiability** [SGG+14]. **Modular** [SGR+10, WLS+20, DvdHT05, FC00]. **modularity** [CS12, HE13, SPAK10]. **Modularization** [QSZG24, BGO+14]. **Molecular** [EKL+19]. **monadic** [TPT13]. **Monitoring** [DDMM22, DDE11, EHF20, RBPG23]. **Monotone** [PSW+20]. **Most** [XW22]. **motivations** [HBB+09]. **Mozilla** [MFH02]. **MPI** [GSYT21]. **Multi** [AROK21, BS16, BKD+23, CCRZ23, CDEG03, CLBY18, CL23b, DG18, LVBBC+18, OKS+16, SYA21, XL20, ZHO+18]. **Multi-Criteria** [OKS+16, XL20]. **Multi-Language** [AROK21]. **Multi-Level** [DG18, CCRZ23]. **Multi-Objective** [CLBY18, LVBBC+18, ZHO+18, BKD+23, CL23b, SYA21, XL20]. **Multi-Step** [BS16]. **Multi-valued** [CDEG03]. **Multiagent** [DL11, EMM24, ZJW03]. **Multidimensional** [GL11]. **Multilevel** [DGC14]. **Multilingual** [LMY+24]. **Multimodal** [MHK11]. **multinational** [Tiw08]. **multiobjective** [MY13]. **Multitolerant** [EK11]. **multiuser** [KK93].

**multiview** [PBO07]. **Mutant** [ZWL+22, OLR+96]. **Mutants** [CPCT21, OSD+23]. **Mutation** [DLP+24, KJHY22, OSD+23]. **Mutation-based** [DLP+24]. **My** [CCH+21, CXH+21, PORH23].

**Name** [WWL+23]. **Names** [SRTR17, YZY+24]. **Natural** [KJHY22, WJZ+23, XVN22, GZ05]. **Near** [OBH24]. **Near-optimal** [OBH24]. **need** [LYYC14]. **Needs** [CXH23]. **nesting** [MBH09]. **Nets** [RFDS24]. **Network** [CWW+20, CWH+21, CGZ23, DDS23, HQM+23, HGX+24, QSZG24, QHM+23, RXX+19, WLS+20, YFD+23]. **Network-based** [RXX+19]. **Networks** [BK23, DLP+24, DLSC23, LD24, LXW+24, LLSM22, PLM15, QWG+23, SKY23, WT24a, WT24b, XLW+22, ZZC+23, ZSWS23, ZXS+24, Sin10]. **Neural** [BK23, CWW+20, CWH+21, CGZ23, DLP+24, DTC+24, DDS23, DLY+23, HGX+24, LD24, LXW+24, LLSM22, QWG+23, QSZG24, RXX+19, SWW+24, SKY23, TWB+19, WT24a, WT24b, XLW+22, YFD+23, YZY+24, ZYL+23, ZZC+23, ZSWS23, ZXS+24]. **Neuron** [LXW+24, XLW+22]. **next** [HKMB+14]. **NN** [GHX+24]. **NN-based** [GHX+24]. **no** [RCAH23]. **Node** [LJL+20]. **Node.js** [ACSA23]. **NodeJS** [ZBA23]. **Non** [GGZ+15, HT17, MWP+21]. **Non-Adequate** [GGZ+15]. **Non-deterministic** [HT17]. **Non-Serializable** [MWP+21]. **nonanomalous** [DBPU13]. **Nonequivalence** [dFLSV14]. **noninteractive** [ZZL+06]. **noninterference** [DFG00]. **notation** [FP02, Jac02]. **notations** [BP05, CDP04]. **Notebooks** [LLG23]. **Notkin** [Ros13b]. **Novice** [CZ19]. **NPC** [XLW+22]. **npm** [ACSA23, RCAH23]. **NSFuzz** [HQM+23, QHM+23]. **NSGA** [MKS+15]. **NSGA-III** [MKS+15]. **Nudge** [MUB+23]. **numerical** [SMAC08]. **Nygaard** [Ano02].

**Obfuscation** [GHM18]. **Obfuscation-Resilient** [GHM18]. **Obituary** [Ano02]. **Object** [AB12, GGGU21, HLX23a, LHX21, MS94, TG11, WWL+23, Cal95, CTCC98, CTC01, CSC06, DFB99a, DF94, Jac02, MRR05, RS09, RM03, SS02, SB02]. **Object-Oriented** [AB12, MS94, WWL+23, CTCC98, CTC01, CSC06, DFB99a, DF94, RS09, RM03, SB02]. **Object-Sensitive** [HLX23a, LHX21]. **objected** [DFB99b]. **objected-oriented** [DFB99b]. **Objective** [CLBY18, HLL+16, HLL+20, LVBBC+18, MKS+15, SHLW21, TAA+19, XZZL18, ZHO+18, BKD+23, CL23b, SYA21, XL20]. **Objectives** [CL23a]. **Objects** [ZWT+24]. **obliviousness** [HE13]. **OBSERV** [TY92]. **Observability** [ZQS+23]. **Observable** [HT17]. **observational** [PSV01]. **OCL** [QT12]. **Octopus** [TDL+24]. **Ole** [Ano02]. **Ole-Johan** [Ano02]. **On-device** [HHC+24, HDKM23]. **One** [Liu22]. **Opacity** [ALMS22]. **Open** [AHGZ23, BSA22, BKHT21, CWM+20, JEB+23, KCAS23, KCMS24, LMY+24, PLZ+22, RSBP23, RGCS14, TWS+22, WFW+20, WBRH23, XGF+23, ZA23, MFH02, Sin10]. **Open-Source** [BSA22, KCAS23, KCMS24, LMY+24, PLZ+22, RGCS14, JEB+23, Sin10]. **OpenStack** [BSOM24, ZLT+22]. **Operational** [SZH+19]. **Operations** [SCL+23]. **operators** [OLR+96]. **Opinion** [LCS+22, CF10]. **Opportunities** [YXL+22]. **Optimal** [HLL+16, Liu22, OBH24]. **Optimization** [CLBY18, CS22, DPRO23, HLL+16, LLSM22, LVBBC+18, LWC+23, XZZL18, XHL+24, AGHC+22]. **Options** [ZKW+23a, ZKW+23b]. **Oracles**

[WPB19, XM07]. **Orchestra** [TS09]. **Order** [GXSC21, GSC24, SGD15, LWF03, TPT13, XTW+23]. **Organizational** [JEB+23, DCS09]. **Organized** [ZWCH21]. **Orientation** [WWY+23]. **Oriented** [AB12, QWG+23, ZSL+13, AM11, CTCC98, CTC01, CWM+23, CSC06, DFB99a, DFB99b, DF94, DR10, FGL+12, HE13, DGK21, MS94, ODV+09, RS09, RM03, SB02, SGR+10, WWL+23]. **OS-level** [LYL+24]. **OSS** [KS22, ZMM+16]. **outcome** [GJ08]. **Outgoing** [Ros19]. **output** [KM10, QNR13]. **Overdue** [MUB+23]. **Overfitting** [IRKY24]. **Overflow** [DLRA15, ARG17, GXG+20, GXL+23, HZX+24, WJZ+23, YZP+22, ZWCH21]. **Overhead** [RCAH23]. **overlapping** [HaK92].

**Pacemaker** [BZSW14]. **Package** [JCSA23]. **Packages** [VCP+23]. **Pan** [BGdV92]. **Pandemic** [FSZ+22, RHV24, RHvB24]. **Pandemic-RCR** [RHvB24]. **Parallel** [HT17, KK93, PSV01, RD15, TDL+24, ZCH22, SMAC08]. **Parameter** [LKA+23, TG11]. **parameterization** [BAD08]. **Parameterized** [MRR05]. **Parameters** [RGCS14]. **Parametric** [ALMS22, WAH23]. **Pareto** [CL23b]. **Part** [ELN+92]. **Partial** [FDB+12, HYX+24, LHX21, PBU16, SGD15, XCCY10]. **Partial-Order** [SGD15]. **Participation** [TWS+22]. **Particular** [XL20]. **Party** [LWD+24]. **Passing** [TG11]. **Patch** [HML23, LWWM22, MGTR18, STGR21, TLP+22, YXX+23]. **PatchCensor** [HML23]. **Patches** [IRKY24, KPC18, TLL+23, TWB+19, ZSW+22]. **Patching** [CCVLW23]. **Path** [DDE11, GSYT21, QNR13, SGD15, TDL+24, TPT13, XLW+22, LS13, SRK06]. **Path-** [TPT13]. **Path-Sensitive** [SGD15]. **Paths** [YWC16]. **Pattern** [CZ19, SGR+15, WAH23]. **Pattern-based** [CZ19]. **Patterns** [KAS20, LZL+23, DDGR18, MS22, ZB13]. **Peer** [RGCS14]. **Penetration** [MAKM22]. **Perceive** [NMA+23]. **Perception** [KSFC24]. **Performance** [CL23a, CGZ23, CFL+16, GHX+24, JYZ+24, LLSM22, LLS+21, RXX+19, ZHZ+21, Tiw08]. **Person** [ZSHD20]. **Personality** [CL22]. **Personalized** [ZL13]. **Perspective** [BXL+22, FSP+13, HGHM23, LGC+23, YZY+24]. **pervasive** [MZ09, XCCY10]. **phase** [JGB12]. **philosophies** [MSW12]. **Phones** [HDG+24]. **Phrase** [YXZ+23]. **Phrase-based** [YXZ+23]. **Physical** [MCM24, ZTP+23, CYA22, MSM+24, XAY23, XTW+23]. **Pied** [MRO+23]. **Pied-Piper** [MRO+23]. **pilot** [XM08]. **Piper** [MRO+23]. **PL** [DL11]. **Place** [MS15]. **Place-Aware** [MS15]. **Planet** [WCJL23]. **Planning** [CSW21, OL22, ZHO+18]. **Plasticity** [BT22]. **Platform** [EHEZ21, LJL+20, LSH23, PORH23, ZOJH21]. **Platforms** [DZV+23]. **Platys** [MS15]. **Play** [CCH+21]. **Plugins** [LSH23]. **Plus** [DTC+24]. **Point** [BCGB21, BTI14]. **Pointer** [HLX23a, LHX21]. **pointers** [OSH04]. **points** [LH08, MRR05]. **points-to** [LH08, MRR05]. **Poison** [LLZ+24]. **Policies** [BBS16, BKHT21, BLW09]. **Polychronous** [GGLT07]. **Polynomial** [NKWF14]. **Ponzi** [ZCZ+23]. **Popular** [CCH+21]. **Poracle** [IRKY24]. **Portfolio** [MPG+13]. **Post** [CDKP21, JMS08, JYZ+24]. **Post-release** [JMS08]. **Post-training** [JYZ+24]. **Posteriori** [DG17]. **Posts** [ARG17, GXL+23, HZX+24]. **potentially** [ZXLC14]. **Power** [GSC24, LSV08]. **Powered** [ZOJH21, CCY+21]. **Practical** [BCGB21, CWW+20, HB22, LYL+24, SZH+19, SSB20, YXX+23]. **Practice** [BUB23, BXL+22, ELvdH+05]. **Practices** [BKHT21, WHP+23, ZTP+23]. **Practitioner** [BXL+22, HGHM23, PHS+24]. **pragmatic** [HW12]. **Pre** [GZW+23,

LLL+23, LLT+24, LLZ+22, WWL+23]. **Pre-implementation** [WWL+23]. **Pre-Trained** [GZW+23, LLL+23, LLT+24]. **Pre-Training** [LLZ+22]. **Precise** [AB12, KMYK19, LRCS14, WWY+23, XR13, ZZC+23]. **Precision** [LHX21, PSW+20]. **Precision-Preserving** [LHX21]. **Predicting** [AHGZ23, CM23, LJL+20, LM24, MBH+17, TLP+22, ZHZ+21]. **Prediction** [CYA22, CXH+21, CGZ23, FAP22, NXL+22, SMY19, TLL+23, WWL+23, YKY+23, ZLL+23, ZL13, ZYL+18, ZXLC14]. **Predictions** [ZZX+21]. **Predictive** [KJHY22, LRCS14, YXL+22, HZZ13]. **Preference** [PLP+23]. **Preference-wise** [PLP+23]. **preliminary** [YTL+95]. **presence** [FYD+08, FC00, Hie02, OSH04]. **Preservation** [IRKY24]. **Preserving** [LHX21, YHR92]. **Prevalence** [MA14, ZLT+22]. **PRIME** [PWD+99, MGMM11]. **Principles** [Bjø19]. **Prioritisation** [RFR23]. **Prioritization** [BKD+23, CCW+23, DLP+24, EM15, HZZ+14, ZZY+21, ZCH22, YHC13]. **Privacy** [BBS16, ML00]. **Pro** [YDX+24]. **Proactive** [SMBK22]. **Probabilistic** [EM18, LSN+23, LSBN24, PBU16, JGB12]. **Probable** [XW22]. **Problem** [IRKY24, SKBD14, XL20, HKMB+14, MY13]. **Problematizing** [RFDS24]. **Problems** [ZA23]. **procedure** [BHR95, MGP+13]. **Procedures** [LSX+24]. **Process** [BCFM06, PVHW17, LDUD13, TG23, TC20, WYW+22, ACF97, BCD02, BAD08, CW99, DHW98, GRT09, JPL98, ODV+09, PWD+99, SR05, SHO95]. **process-centered** [ACF97]. **process-integrated** [PWD+99]. **process-oriented** [ODV+09]. **Processes** [HGW+16, Cia93, CW98, DCS09, FGMP03]. **Processing** [PORH23, ZFL+22, LLZ+24, ATW94, Bre95]. **Product** [CTA+21, DL11, HLL+16, HLL+20, XZZL18, XHL+24, ZCT18, BJMH02, KATS12, MC08]. **product-lines** [BJMH02]. **Production** [SYL+23, TBS92]. **Productivity** [RHV24, RHvB24]. **products** [JMS08]. **profiling** [XR13]. **Program** [ASJDW21, BHR95, CH21, GWD+21, GRS+16, IRKY24, LZL+23, MTRK14, RKBL19, SBS+23, TZD+24, XW22, YWC16, YLM+23, YB20, ZFL+22, ZKW+23a, ZKW+23b, ZFM+24, ZH24, BG96, BGH07, BG98, DBGU13, EF05, GN93, HZS08, KM10, LH02, OSH04, SLB+21, YHR92]. **Programmed** [EKL+19]. **Programmer** [DAL+23]. **Programming** [AFY+22, DBNG15, BXX+20, CWM+20, CXH23, FYW24, FTF22, FTF24, KS20, KAT12, MZ09, SP18, WWL+23, WWJ+24, XL20, YXK+17, HE13, Kli93, RSB05, SHO95]. **Programs** [BCGB21, BK23, CCXZ23, EK11, GXSC21, GSYT21, IC14, KMYK19, LKR22, NBMK22, SDG+24, WWAC23, Yu23, CTCC98, CF03, Cor00, DF94, FC00, HZZ13, MP09, PTY95, QRLV12, SMAC08, TS09, YTL+95]. **Progressed** [GLL+21, ZYL+18]. **Project** [CM23, LM24, PWB23, ZYL+18, Sin10]. **Projections** [MQLR16]. **Projects** [ACSA23, BSOM24, FAP22, JA22, JEB+23, KCAS23, KCMS24, NXL+22, PLZ+22, RGCS14, SGHM23, WFW+20, WHP+23, ZMM+16]. **Promise** [XVN22]. **Prompt** [HSX+24, HYX+24]. **Prompt-tuned** [HSX+24, HYX+24]. **Prone** [AROK21]. **Proof** [FC00, RO18]. **proofs** [KKLS02]. **Propagation** [HDKM23]. **Properties** [DPRO23, EHF20, LBZ14, LLSM22, CK99, DCCN04, FPB+05, JGB12, Sin10, SGE00]. **Property** [CSV13, DDE11, NBB15]. **Prospective** [Pez22]. **Protecting** [ML00, ZWGX22]. **protocol** [Ber94, Pet97]. **Protocols** [GGGU21, CJM00, DFG00, PBCT10]. **prototyping** [TY92]. **Prove** [RO18]. **provenance** [MGMM11].

**provenance-aware** [MGMM11]. **Proving** [AB23]. **psc2code** [BXX+20]. **Psychometrics** [GLFW22]. **PTM** [LLT+24]. **PTM-APIRec** [LLT+24]. **Publication** [DR15]. **Pull** [BYTS23, KCAS23, KCMS24, MUB+23, PWB23]. **Pull-Based** [KCMS24]. **purely** [FPB+05]. **PVS** [MPF14]. **Python** [BLS+23, HAB+20].

**Q&A** [UKR21, YHG+24]. **Q8A** [GXLG21]. **QoS** [VTA04]. **QoS-enabled** [VTA04]. **Qualitative** [AMS+18, DZV+23]. **Quality** [AAP+20, CM23, CDKP21, CWM+23, FTF22, HCW+22, MBH+17, PLMC23, RSBO23, XHL+24, CF03, GL14, MGP+13]. **Quality-Diversity** [XHL+24]. **Quality-oriented** [CWM+23]. **Quantifying** [GZSW19]. **Quantitative** [ZZC+23]. **quantitatively** [CW99]. **Quantum** [FYW24, Yu23]. **Queries** [WJZ+23, WGSD07]. **Query** [LXL+22, MBH+17, RR23, WPX+23, PJRR10, WGG13]. **Question** [GXG+20, GXLG21]. **questions** [KM10]. **Quo** [WFF+19]. **QuoTe** [CWM+23]. **QVM** [AVY11].

**Race** [CTC+23, JPS22, RD15]. **Random** [EMM24, TAA+19]. **Randomization** [ZWGX22]. **Ranges** [LSN+23]. **Rank** [KMYK19]. **Rationale** [ZLT+22, FBC+13, YTL+95]. **RCR** [FMMB23a, HQM+23, RHvB24, WT24b, ZKW+23b]. **Re** [ZWGX22]. **Re-Randomization** [ZWGX22]. **Reachability** [LHX21, CK96, CK99, PTY95]. **Reactions** [BYTS23]. **reactive** [FS93]. **Read** [Liu22]. **Real** [LSN+23, LSBN24, MCKG24, Cal95, FM94, FP02, GGLT07, MRK+97, Ost99, Pon02, SLD+13, WME93]. **Real-Time** [LSN+23, LSBN24, Cal95, FM94, FP02, GGLT07, MRK+97, Ost99, Pon02, SLD+13, WME93]. **Real-world** [MCKG24]. **Realizable** [TDL+24]. **Really** [FSM+15, YZP+22]. **Reasoning** [EBE+14, FPB+05, GZ05, PRM01, CAC08, HN98, RMP97, VTA04]. **Recall** [PSW+20]. **ReCDroid** [ZSL+22]. **Recognition** [HSB+23]. **Recommendation** [GXLG21, GXL+23, LLT+24, SIB23, WYW+22, YHG+24]. **Recommendations** [OPK+21, PDHR23]. **Recommenders** [AM11]. **Recommending** [DR11, JZL+19a, SYA21, STS+18]. **recompilation** [ATW94, Bre95]. **Recomposition** [BBS16]. **Reconciling** [SN92]. **Recovering** [DFOT07]. **Recovery** [LYL+24]. **reduce** [Cor00]. **reduced** [Ber94, Pet97]. **Reducing** [AM11]. **Reduction** [TZD+24, ZWL+22, DBDS94]. **Redundancy** [CGPP15, HZZ13]. **Reengineering** [Sne96, CF03]. **Refactor** [PZS+20]. **Refactoring** [AB23, DG18, FSP+13, LLG23, OKS+16, TDT+22, VBZ+18, SGL12]. **Refactorings** [PLZ+22]. **referees** [ACM05]. **reference** [BCC92]. **Refinement** [ASJDW21, Ban23, ZNZ+23, Ost99]. **refinements** [SB02]. **Reflection** [LTX19, Pez22, SLB+21]. **reflective** [LL00]. **Reformulations** [RR23]. **region** [DER10]. **RegionTrack** [MWP+21]. **regression** [BRR01, GHK+01, Mem08, RH97, REM+04]. **regular** [KGA+12]. **Regulation** [KAS20]. **Regulatory** [GL11]. **Reifying** [Jéz99]. **reimplementation** [CF03]. **Reinforcement** [BT22, BT24, FCLL21, RMCT22]. **Reject** [PLZ+22]. **related** [CSB+24, HGHM23]. **Relatedness** [MB15]. **Relation** [HSX+24]. **Relational** [MWK15, FPB+05]. **Relationships** [HB22]. **Relative** [HAB+20, MB20]. **Relaxation** [BLBB24]. **Relaxed** [JPS22]. **Release** [OL22, ZHO+18, HKMB+14, JMS08]. **Relevance** [OSD+23]. **relevant** [MPG+13]. **Reliability**

[KDM23, ZL13, JMS08, PMM+99, Wey96]. **Reliable** [LZL+23]. **Remodularization** [CBRO16, MKS+15]. **Remote** [SBBL23, WT24a, WT24b]. **Remote-Code** [SBBL23]. **Removal** [WRD+22]. **Removing** [LCZL14, HZZ13]. **Renaming** [ZLL+23]. **Renamings** [DLY+23]. **Repair** [AFY+22, CTC+23, FNT+24, GWD+21, IRKY24, LZL+23, NBB15, OPK+21, PVHW17, SKY23, YLM+23, YABLR20, YB20, ZFM+24, ZWT+24, ZH24]. **Repairing** [LXW+24, QWG+23, Mem08]. **Replicability** [LGX+22]. **Replication** [NXL+22, RRPW21]. **Report** [FMMB23a, HQM+23, RHvB24, WT24b, ZHV+23, ZKW+23b, AM11, KKP+23]. **Reported** [DZV+23]. **Reports** [AHGZ23, KS20, SXX+24, ZSL+22]. **Repositories** [GZW+23, Hen97]. **Repository** [DNRN15, SBS+23]. **Representation** [BC23, EW11, HZX+24, KKP+22, LLZ+22, WLS+20, ZLS+23]. **representations** [BGL00]. **Representing** [RM07, DER10]. **Reproducibility** [LGX+22]. **Reproducing** [JO15]. **Reproduction** [ZSL+22]. **Request** [BYTS23, PWB23]. **Request-Issue** [PWB23]. **Requests** [KCAS23, MUB+23]. **Required** [LK14]. **Requirements** [BLBB24, DPB17, GL11, HGHM23, LKRF22, DGD+19, RST+14, WFF+19, ZZY+21, CRST12, CD98, GM01, GZ05, HJL96, SMT92, SR05, UFG14, ZJ97]. **Resampling** [SMY19]. **Research** [CL22, MS22, PDHR23, SF18, WCP+22, EAS08, ELvdH+05, RSB05]. **Residual** [LRCS14]. **Resilient** [GHM18]. **Resistance** [GZSW19]. **Resolution** [BFFG19]. **Resolving** [AHGZ23]. **Resource** [WRD+22]. **Resource-constrained** [WRD+22]. **Respect** [DLY+23]. **Response** [GZX+22, TAW95]. **Responses** [LSB+23]. **REST** [MZA22, ZA22]. **RESTful** [Arc19, GZA24, ZA23]. **restructuring** [BG98, GN93]. **Result** [BLS+23]. **results** [DO93, PJRR10]. **Retain** [WWAC23]. **retargetable** [Dev99]. **Retention** [ZMM+16]. **Retraining** [AFPB23]. **Retrenchment** [Ban23]. **Retrieval** [MBH+17, SURL11, WXL+21, WSG+23, ZWCH21, ZLP+24, DFOT07, PGM12]. **Retrieval-based** [WXL+21]. **Retrieving** [PP93, WJZ+23]. **Retrospective** [Pez22]. **Return** [ZWGX22]. **reusable** [BO92, PP93]. **Reuse** [FSP+13, HLX+23b, DGD+19, VHNF22, EF05, Hen97, HW12, MC08, OHDB92]. **Reusing** [HGX+24, QSZG24]. **Reveal** [HLX+23b]. **Revealing** [MRO+23]. **reverse** [AM04]. **Review** [AMV23, CCS24, GZX+22, LCS+22, RR23, RGCS14, SBMK21, TG23, WCP+22, WCJL23, HBB+09]. **Reviewers** [ACM03]. **Reviews** [BUB23, CCH+21, STDB23]. **revisit** [CCX11]. **revisited** [GD08]. **Revisiting** [MB20, SYL+23]. **Rewards** [PBU16]. **rewriting** [VKV03]. **RFC** [TCDZ19]. **RFC-guided** [TCDZ19]. **rich** [RKBL19]. **Rise** [LGC+23, WCJL23]. **Risk** [GL11, LBZ14, MGP+22, XCKX13]. **Risks** [ZWZ+24]. **Roads** [LSM23]. **Robotic** [AMV23]. **Robust** [NAF+23]. **Robustness** [ABC+22, HAY+23, HML23, WWAC23, YZY+24, ZFL+22, ZZS+22]. **Role** [SPAS21, GJ08]. **Route** [LSM23]. **router** [CR94]. **RPC** [ZAL+23]. **RPC-Based** [ZAL+23]. **Rule** [ZZL+24, Cia93, Kip92, MM13]. **rule-based** [Cia93, Kip92]. **Rules** [ARG17, MFLL12, KK04]. **Run** [ZHZ+21]. **Run-time** [ZHZ+21]. **Runtime** [AVY11, BLS11, BSOM24, EKL+19, XMA+14, ZCW+24, ZWGX22, BLW09]. **Rust** [CXH23, CCXZ23, XCS+22, ZWZ+24].

**SAEO** [GSYT21]. **Safe** [LSN+23, LSBN24, BRR01, BTI14, RH97]. **SafeDrop** [CCXZ23]. **Safety** [AFPB23,

DZV+23, FPBS23, KSFC24, RFDS24, XCS+22, BFN+14, CK99, SGE00, SRK06]. **Safety-critical** [FPBS23]. **SAFKASI** [WAF00]. **Saltzer** [PDHR23]. **Sample** [ZLW+21]. **Sampling** [DDE11, PP93, PMM+99]. **Sanity** [WYMW20]. **SAT** [AGRR19, XZZL18]. **SAT/SMT** [AGRR19]. **satisfiability** [BM13, PMS13]. **Sator** [BPT10]. **SBST** [ZBA23]. **Scala** [ARL+15]. **Scalability** [CCRZ23]. **Scalable** [FCLL21, WWZ+22, XMA+14, BRRP05, HKMB+14, HAB13]. **Scale** [BNB14, DNRN15, FA14, LJL+20, LLZ+22, MAL24, RFDS24, VLJ+18, WT24a, WT24b, MNB+22, PSV01, Rus21, YZP+22]. **Scaling** [HZZ13, LCZL14, TDL+24]. **Scanner** [YXM+23]. **Scenario** [UKR21, UKM04, WJ10]. **scenario-based** [UKM04]. **Scenarios** [MHK11, UKM04]. **Schedule** [MQLR16]. **Schema** [MWK15, NL11]. **Schemas** [QT12]. **Schemes** [TZD+24, ZCZ+23]. **Schroeder** [PDHR23]. **Scientific** [CFP+24, CY11, EF05, LYYC14]. **Scope** [MB20]. **Scoping** [WPX+23]. **Scores** [RO18]. **Screen** [RST+14]. **Screencasts** [BXX+20]. **Scripts** [RRPW21, RO18]. **Scrum** [VR23]. **SEADS** [FCLL21]. **SEAL** [SBS+23]. **Search** [AAP+20, AG22, AVAS23, BS16, CCX+20, CL23b, FFM24, GHX+24, OKS+16, RR23, SYA21, SMBO21, SURL11, SKY23, SED14, TC20, WPX+23, XLD+24, XL20, ZYL+23, ZHO+18, ZZY+21, ZA22]. **Search-Based** [FFM24, OKS+16, SMBO21, SKY23, ZA22, AAP+20, AG22, AVAS23, CL23b, XL20]. **Searching** [GXL+23, LXL+22, MCB+23, MPG+13, ZZX+21]. **second** [TPT13]. **second-order** [TPT13]. **section** [NP08]. **Secure** [ZQS+23]. **Securing** [ZCZ+23]. **Security** [AMGBK22, LSB+23, PDHR23, RRPW21, RSBP23, RPT+22, SGR+23, SIB23, ZQS+23, ZWZ+24, ZSW+22, BDL06, BLW09, CJM00, WAF00]. **See** [KKP+22]. **Seed** [ZXS+24]. **Seeding** [AVAS23]. **Seeds** [AVAS23]. **Seeing** [YLM+23]. **segments** [LS13]. **Selecting** [PLMC23]. **Selection** [AVAS23, HLL+16, HGC+22, HGX+24, JS23, LD24, LMY+24, MPT+21, ZXS+24, BRR01, CY11, GHK+01, RH97]. **selective** [ATW94, Bre95]. **Self** [BKD+23, CLBY18, CXLG22, GLL+21, RXX+19, WI23, PJRR10]. **Self-Adaptive** [CLBY18, WI23]. **Self-Admitted** [RXX+19, GLL+21]. **self-assessment** [PJRR10]. **Self-Destruct** [CXLG22]. **Self-driving** [BKD+23]. **Selfdestruct** [CXLG22]. **sem2vec** [WMW+23]. **Semantic** [BAD08, CLL+22, HLX+23b, MB15, PJRR10, WSG+23, YXX+23, YHL+22, ZMC+24, MG00, KKP+22]. **Semantic-aware** [ZMC+24]. **Semantic-Based** [CLL+22]. **Semantic-Enriched** [HLX+23b]. **Semantics** [EHF20, LXL+22, LK14, SZH+19, WMW+23, XTW+23, YFD+23, HN96, YHR92]. **Semantics-aware** [WMW+23]. **semantics-preserving** [YHR92]. **SemMT** [CLL+22]. **Sense** [SGR+23]. **Sensing** [BZSW14]. **Sensitive** [HLX23a, LKR22, LHX21, SGD15, SCL+23, ZHS+23, Bro93, Cal95, For94, LH08, TPT13]. **Sensitivity** [LHX21, HKMB+14, MRR05]. **Sentiment** [CCY+21, UGKR22]. **Sequence** [RGS12, LK14, Mem08]. **sequence-based** [Mem08]. **Sequences** [HT17]. **sequencing** [OO92]. **Sequential** [DDI22, LXL+22]. **Serializable** [MWP+21]. **Serverless** [BPSSA+22, LWC+23, WCJL23]. **Service** [HQM+23, LWC+23, QHM+23, BPT10, DPT13, FGL+12, HWH14, PBCT10]. **service-oriented** [FGL+12]. **Services** [ZL13, BKM07]. **sets** [Hie02]. **Severity** [SXX+24]. **Shadow** [KPC18]. **shape** [Cor00]. **Should** [CCH+21]. **shuttle** [CD98]. **Side** [EWS14, GZSW19, GSC24, NKL+24]. **Side-Channel** [EWS14, GSC24, GZSW19].

**Signal** [SZZ+23, BRG+01]. **Signature** [ZW95]. **Significance** [YKY+23]. **Significant** [HZBS14]. **Similarity** [JFJ+23, KS22, NAF+23, TLP+22, YXX+23, YDX+24, OHDB92]. **Similarity-based** [NAF+23]. **simplified** [JW94]. **Simulating** [FS93, KDM23]. **Simulation** [Ban23, EHF20, KKLS02]. **Simulator** [FPBS23]. **Simulator-based** [FPBS23]. **Single** [BKD+23, ZCT18]. **SIP** [HLL+16]. **Site** [GXLG21, YHG+24]. **Sites** [UKR21]. **Six** [Pez23]. **Size** [LLLM23, BGH07, GD08, HGS93, MGP+13, TZZ09, ZXLC14]. **slice** [BGH07, MB07]. **slice-based** [MB07]. **slices** [BFN+14]. **Slicing** [SNM23, XMA+14, GSH97, LH02, TD01]. **slicing-based** [TD01]. **SLR** [PDHR23]. **Small** [HZBS14, Sin10]. **small-world** [Sin10]. **Smalltalk** [CL94]. **Smart** [AGHC+22, ASJA23, CXLG22, HSB+23, HLX+23b, YABLR20, ZOJH21, ZCZ+23]. **SMC** [SGE00]. **Smell** [SKBD14]. **Smells** [AROK21, DLT+23, HZBS14, NMA+23, RRPW21, YHXY24]. **SMT** [AGRR19, CH21]. **SNIAFL** [ZZL+06]. **Snippet** [GXL+23, GCH+24]. **Snippets** [GXG+20]. **SNOW** [Liu22]. **SNOW-optimal** [Liu22]. **Socio** [JA22]. **Socio-Technical** [JA22]. **Sociotechnical** [KAS20]. **Software** [AAP+20, AHGZ23, BNB14, BXL+22, BSA22, BKHT21, Böh18, CL22, CBRO16, CTA+21, CLBY18, CCY+21, CL23a, CL23b, CWH+21, CSW21, CFP+24, CW99, CFL+16, CZ19, DZV+23, DHW98, DLY+23, DR15, DNRN15, EWS14, EM18, EF05, EW11, FSZ+22, FFM24, FSM+15, FTF22, FTF24, GZSW19, GLFW22, HGHM23, HLL+20, HH95, JPS22, JEB+23, KS22, KDM23, KPC18, LLLM23, LD24, LMY+24, LCS+22, LGX+22, LGC+23, LSB+23, LM24, MNB+22, MFBF+22, MGP+22, MFLL12, MBH+17, MY13, MB20, MKS+15, MZW+23, MKR+23, MP14, OKS+16, RKBL19, RGCS14, RFDS24, SP18, STS+18, SMY+24, SBMK21, SMBK22, SMY19, SF18, SGhWG22, TDT+22, TWS+22, UGKR22, VHNF22, WB13, WPB19, WCP+22, WSG+23, WOM15, XZZL18, XHL+24, XGF+23, XL20, YXL+22, YQTR15, ZSHD20, ZHZ+21, AAG95, ACF97, BCTW96, BO92, BGO+14, BCD02, CS12, CTC01, CM08, Cia93]. **software** [CW98, CDP04, CD98, DvdHT05, DFOT07, DCCN04, ELN+92, ELvdH+05, FK96, FLM+98, GJ08, Gun00, HBB+09, Hen97, HW12, JPL98, JMS08, KK93, LASL13, LSV08, MMST14, MRRR02, MSW12, MFH02, MC08, NLR11, NP08, Off92, ODV+09, PSV01, PP93, PMM+99, PSMV98, Rob08, RSB05, SRK06, SN92, SHO95, TZZ09, Tiw08, TBS92, UFG14, VD13, WP93, WGG13, XM07, XR13, ZW95, ZW97, DKD21]. **Software-2.0** [DKD21]. **Software-engineering** [XL20]. **Solution** [LJL+20]. **Solutions** [LLS+21, XL20]. **Solved** [XCS+22]. **solver** [KGA+12]. **Solvers** [XZZL18]. **Solving** [AGRR19, CH21, EMM24, SSB20, SED14, XL20]. **Some** [AVAS23, HZBS14]. **Sound** [MWP+21, XL20]. **Source** [AHGZ23, BSA22, BKHT21, CWM+20, DNRN15, GGH+23, HNRA20, KS20, KCAS23, KCMS24, KJHY22, LLL+23, LMY+24, LLT+24, MB15, PZS+20, PLZ+22, RSBP23, RR23, RGCS14, SGR+15, SRTR17, SED14, SFC+24, SZZ+23, TWS+22, WLS+20, WFW+20, WBRH23, XGF+23, ZHS+23, LLZ+24, Dev99, DER10, JEB+23, MFH02, MN96, RM07, SGG+14, Sin10, SAB+14]. **Source-Code** [DNRN15, SGR+15, SGG+14]. **SourcererJBF** [MAL24]. **sources** [PSMV98]. **Space** [STS+18, ZRGT23, CD98, DBDS94]. **Spaces** [OBH24, WSG+23]. **Special** [HP15, MP14, NP08]. **specialization** [SS02]. **Species** [Böh18]. **Specific**

[ZZW+23, BJMH02, BGL00, HZS08, SS06]. **Specification** [KAS20, KL21, XW22, ZW97, Bro93, CDSM10, CL94, CR94, ELN+92, FN03, Kuh99, LY05, MS94, PPP94, RMP97, TK02, WME93]. **specification-based** [Kuh99, LY05, TK02]. **Specifications** [EHF20, PSW+20, CCX11, DSV03, FM94, HJL96, HRD08, HN98, Jac95b, KB07, MMST14, MS03, Pon02, PMS13, UKM04, WP93, FPGA07]. **specify** [CFM00]. **Specifying** [PSZ21, DKM+94]. **spectra** [NLR11]. **spectra-based** [NLR11]. **Spectrum** [TSPRC18, YXK+17, MSW12, XCKX13]. **Spectrum-Based** [TSPRC18, YXK+17, XCKX13]. **Speculative** [WCB+20]. **Speed** [ODE21, TZD+24]. **Speeding** [TTL+21]. **spi** [DSV03, ZSW+22]. **Splitting** [LLS+21]. **spreadsheet** [FRB+06]. **spreadsheets** [RBL+01]. **SQL** [AG20, TG24]. **SSL** [NWZ+23, TCDZ19]. **SSL/TLS** [NWZ+23, TCDZ19]. **Stack** [AEK+16, ARG17, GXG+20, GXL+23, HZX+24, WJZ+23, YZP+22, ZWCH21]. **Stacks** [ZWGX22]. **STADS** [Böh18]. **Stages** [LSN+23, LSBN24]. **Stale** [KCMS24]. **Stand** [UGKR22]. **Stand-alone** [UGKR22]. **Standard** [WWAC23]. **start** [LWC+23]. **State** [ASJA23, EM18, HQM+23, MS14, PSZ21, QHM+23, RWEB19, WB13, Cor00, DBDS94, WJ10]. **State-Aware** [HQM+23, QHM+23]. **State-Based** [WB13]. **statecharts** [BRG+01, HaK92, HN96]. **Stateful** [BPSSA+22, SLD+13]. **STATEMATE** [HN96]. **Statement** [BC23]. **Statement-Based** [BC23]. **States** [LCZL14]. **Static** [CTC+23, CCXZ23, HNRA20, IWY00, KMYK19, LZL+23, RD15, RWEB19, RM03, VLJ+18, WGSD07, ZCZ+23, BGH07, FPB+05, GSH97, MNGL98, OO92, ZZL+06]. **Statically** [CWH+21, CCVLW23]. **Statistical** [OBH24, RGCS14, ZNZ+23]. **Status** [WFF+19]. **Step** [BS16, SLB+21]. **Stepwise** [EK11]. **Stochastic** [CFL+16]. **Storage** [ASJA23, ZWGX22]. **Strategies** [AVAS23, JCSA23]. **strategy** [JW94]. **Stratified** [DPRO23, PMM+99]. **StreamGen** [GTD21]. **Streaming** [GTD21]. **strength** [MP09]. **Stress** [DBNG15, MSM+24]. **string** [TPT13]. **strings** [KGA+12]. **Strong** [AVAS23]. **Structural** [Kip92]. **Structure** [GGH+23, GRS+16, WB13, RM03]. **Structure-Guided** [GGH+23]. **Structured** [Yu23, BP98]. **Structures** [JEB+23, KDM17]. **Structuring** [Jac95b]. **Stub** [ZWT+24]. **Stubborn** [CPCT21]. **StubCoder** [ZWT+24]. **Studies** [Cai20, DAL+23, SPAS21, BM07, CD98, HBB+09, MFH02]. **Study** [AROK21, AMGBK22, BYTS23, BSOM24, BAJA23, CWM+20, CCH+21, CZSH23, CXH23, DKD21, EHEZ21, FAP22, FSM+15, GZW+23, GLL+21, HGC+22, HGD+23, JEB+23, KCAS23, KCMS24, KSFC24, LLSM22, LLS+21, NXL+22, ODE21, OKS+16, PORH23, PZS+20, RRPW21, RSBP23, Rus21, SBBL23, SGHM23, TTL+21, TWB+19, UGKR22, VCP+23, VLJ+18, XCS+22, YZP+22, ZTP+23, ZOJH21, ZE14, ZHO+18, ZA22, ZAL+23, ZMM+16, BJMH02, BRR01, BGH07, CF10, GHK+01, MB07, MNGL98, PSV01, SMT92, SR05, Tiw08, TBS92, XM08, ZXLC14]. **Studying** [OSD+23]. **style** [AAG95]. **Subject** [DPB17]. **Suboptimal** [WHP+23]. **Substantial** [WWAC23]. **Subtle** [ZSWS23]. **Success** [Rus21, Sin10]. **Successful** [JA22]. **Such** [RCAH23]. **Sufficient** [MCB+23, OLR+96]. **Suggestion** [ODE21, ZLL+23]. **Suite** [HLL+20, XHL+24, Ber94, HGS93, Pet97, REM+04, XL20, YTL+95]. **Suites** [GGZ+15, Mem08]. **Summaries** [CTC+23, PXJ17]. **Summarization**

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