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Title word cross-reference

× [GML⁺23].

1 [LRS21, Zin15]. **12** [BS24, BBSPK22, GES14, GYSH19, HAGM14, HAG15b, JK20, MMK25, OWK21, Tag24, TM14, TSAA⁺23]. **16-18** [All23]. **19** [MSV⁺23].

2 [RSL22].

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= [GML⁺23].

ABC [REB23]. **ABET** [Blu22]. **Abilities** [AJNN20, JNA18]. **Ability** [Tag24].

Abstraction

[DSU20, KDV22, SSD09, SA20]. **Academia** [NJK19]. **Academic** [KPM18, WF24].

Academics [SDBJ19]. **Academies** [DLM11]. **Accessibility** [CGZ⁺20, PLB⁺12, WCPF20, vdMHVH23].

Accomplishment [ZD15]. **according** [MM12]. **Accreditation** [Blu22].

Achievement

[AANK14, BJCS21, CHA17, Zin15]. **ACM** [BXS⁺24, Ko22a, TM09, CB19]. **Across** [AM21, SZB⁺25]. **Action**

[IT17, LMGVS⁺16]. **Active** [SRA⁺25, VI13, IT13]. **Activities**

[MDS16, MMK25, MJC23, RKM20].

Activity [LC21]. **Adaptive** [VMAG22].

Adding [BLNC09, DJHGI19]. **Address**

- [RvJP20]. **Adolescents** [SAK⁺25]. **Adoption** [EHBA⁺23]. **Advocates** [SYP24]. **Affect** [TAL17]. **affordable** [AGEL13]. **African** [EKSW11, TSAA⁺23]. **After** [PHRC21]. **After-Hours** [PHRC21]. **Age** [Con24, HE25]. **Agenda** [HOC17, SF19, TS20]. **Agents** [Par23]. **Agile** [AYPMGB25, FEC17, MSH10]. **AI** [AH24, BWTL⁺25, CTP25, Con24, JLC⁺25, SMM⁺24, STSI25, TMSA22]. **Aimed** [Bra24]. **Algorithm** [Kar09, LPG⁺25, MMK25, RVI09, SCA⁺10, UFVI09]. **Algorithmic** [Kie09]. **Algorithms** [EK17, VII13]. **Alice** [Coo10, UCK⁺10]. **Alignment** [Blu22]. **All-Female** [LBT20]. **Alleviate** [KV15]. **Alliance** [DBBR11, GHT⁺11]. **Alone** [SNG⁺22]. **Aloud** [WSLR23]. **Also** [AH24]. **Alternative** [BC12]. **alternatives** [Gri13]. **Among** [CGON24, MSV⁺23, Blu22, BDY⁺25, CTP25, MVR⁺24, NIA⁺25]. **Analogical** [KMW22]. **Analysis** [Ak23, ALO25, AANK14, BF23, DSUP20, FWD⁺24, GGT20, KG22, LMGVS⁺16, LSSM19, MVR⁺24, PDF15, RVAN15, Shi16, UR17, WCT⁺24, ZJWF11]. **Analytics** [GBB⁺17, GK17, HOC17, KG18, TWH18]. **Analyze** [VFFT16]. **Analyzing** [AHL17, MGMGSSV25, SZB⁺25]. **Android** [Mod21]. **Animation** [Kar09, UFVI09]. **Answer** [JK20, Sho23]. **Answers** [HAG15b, RWS⁺24]. **AP** [SNG⁺22]. **API** [TCK21]. **App** [NIA⁺25]. **Appealing** [BWTL⁺25]. **Application** [CG19, Mod21, RMNC10]. **Application-Oriented** [RMNC10]. **Applications** [KMW22, TWH18]. **Apply** [Tag24]. **Applying** [ETN⁺21]. **Approach** [AANK14, AYPMGB25, BKZL23, BHMG21, BC12, CMS20, ETN⁺21, Joh19, KLS⁺14, MFM⁺16, Mod21, PGJS17, TAL17, VS22, CHM13]. **Approaches** [CHU⁺09, GBB⁺17, KLM15, KA16]. **Apps** [CMS20, NBTC⁺24]. **Apitude** [VCMV23]. **Architecture** [Mit14, Shi16, SPR12, Wan11]. **Architecture-Based** [Shi16]. **architectures** [ZPB13]. **Arduino** [NIA⁺25]. **Areas** [KS14]. **Arising** [LC21]. **Art** [Ip12, PLF22]. **Artificial** [AMD22, LGGS22, RAS24]. **Artists** [Fie19]. **Arts** [BBD⁺10, BB10, BCD10, WK10]. **Asking** [Ten14]. **Aspects** [MM25, NCW22]. **Assembly** [SPR12]. **Assess** [AHL25, HCAT23]. **assessed** [Lar16]. **Assessing** [BCZ19, DTT16, FDW19, MPDS24, Mod21, PGJS17]. **Assessment** [DJGIO20, DHH⁺15, Lai22, LFU23, LCI⁺25, LDW25, LIG22, NCW22, PLF22, PE23, Ric09, RWS⁺24, RB22, SDBJ19, VMAG22, VVM⁺24, WCT⁺24]. **Assessments** [Alb20]. **Assessors** [DJGIO20]. **Assignments** [AvdM21, RRKP13]. **Association** [BSS20]. **Associations** [PCH09]. **Athletic** [Joh19]. **Attainment** [LZR24]. **Attitudes** [BBF⁺21, LLF22, Pad24, PLB⁺12, RVSW23, REB23, TABA12, ZQLW24]. **AuDeNTES** [MM12]. **Audience** [AMD22]. **Authentically** [BKW25]. **Authenticity** [LBM24]. **Autograding** [HBVTN21]. **Automata** [IIRY17]. **Automated** [KJH19, LDW25, MBKS24, PLF22]. **Automatic** [LFU23, MM12, OES25]. **Average** [TWH18]. **Aware** [VGRM19]. **Awareness** [VGM⁺23].
- Bachelor** [LCI⁺25]. **Back** [RS14]. **Background** [MVR⁺24]. **Backward** [TM15]. **Bare** [LMGVS⁺16]. **Barrier** [Ros23]. **Barriers** [GYSH19, PGJS17, Par23]. **Based** [AAGH14, BL14, DTT16, GGT20, GBB⁺17, HHM19, HOC17, KCB⁺23, Lai22, LMGVS⁺16, MFR13, MFM⁺16, MR22, NIA⁺25, O'G12, RAS24, RT15, Ric09, RV09, RMNC10, SSSC18, Shi16, TAL17, WLY⁺25, WWO25, WW17, HM22, MGM⁺23, Mod21, VS22]. **Basic** [WZL⁺22]. **BDSI** [WZL⁺22].

Be [SYP24, SNG⁺22, LGP13, Ros23].
Behavior [CHA17, COK24, DSS21, LFU23, LSTA22, MGMGSSV25, PGJS17, WLY⁺25].
Behavioral [WLY⁺25]. **Behaviours** [BBF⁺21]. **Behind** [PLB⁺12]. **Being** [RHSS20, VGM⁺23]. **Beliefs** [BA17, CGON24, FPSS22, FPSS23, REB23, Ros23].
Belonging [RMBM24]. **Benchmarks** [HB15]. **Benefit** [DCW19]. **Benefits** [KLC⁺25, MFCLG19]. **Berkeley** [CHH⁺11].
Between [DJGIO20, FPSS23, LRVW14, MVR⁺24, SDBJ19]. **Beyond** [Lai22, PG23].
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Brazil [Men24]. **Brazilian** [DBG⁺23].
Bridge [HM21]. **Bridging** [LRVW14].
Briefs [MR22]. **Bring** [RWK⁺15].
Bringing [HB15]. **Broadening** [CHH⁺11, DBBR11, LV11a, LV11b, Ros23].
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C [WX18]. **Calculus** [CKSS21]. **California** [TMSA22]. **Camp** [BSP24]. **Camps** [LG21, OPC17]. **Can** [ASG19, AH24, IDC⁺19, LGP13, SNG⁺22, Sho23].
Candidate [BKZL23]. **Cannot** [HSGB24].
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Cards [TBP21]. **Career** [DBR⁺20, LRJ14, MHP20, RHSS20, SNG⁺22]. **Careers** [BCZ19, OPC17, PG23, RCS11]. **Case** [BBD⁺10, BAR14, BCC⁺19, BWE11, DMBP22, GND19, GM11, KMB⁺15, LSSM19, Par23, SSD09, VS22]. **Cases** [SK24]. **Cash** [RMM21]. **Cash-free** [RMM21]. **Causal** [DBM24]. **Center** [RB24]. **Centered** [GMM17, LRS21, NAG⁺23, RSL22, RC13].
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Classroom-Based [SSSC18]. **Classrooms** [RPT⁺22, WW17, ZCJR20]. **cloud** [ZPB13]. **clouds** [RRKP13]. **Co** [TDMN⁺24].
Co-ML [TDMN⁺24]. **Coaches** [IKWR22].
Coaching [MRG17]. **Code** [AIO25, AHL25, ABCD20, CJS⁺17, DJHGI19, ILRD20, KLRT25, NCW22, SOB24, VMFG17, HAA13, LC21, NJK19].
Code.org [MMFR20]. **CodePlus** [LBT20].
Coding [BKZL23, KO22b, LG21, SRA⁺25, TK16, TMSA22]. **Cognition** [Rob22].
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Color [DMBP22, SAK⁺25]. **Combining** [CDB⁺22, HCAT23]. **Comments** [VMFG17]. **Communication** [BBG12, KKNL21, MGM⁺23].
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Communities [LC21]. **Community** [FKG17, KRH⁺24, LD19, NBTC⁺24, YBV24]. **Como** [Vog21]. **Companies** [RB24]. **Comparative** [FWD⁺24, MVR⁺24]. **Comparing** [DSU20, ECF18, WW17]. **Comparison** [CJS⁺17]. **Competence** [NIA⁺25, SSB⁺23, TSK12]. **Competency** [BF23, Lai22]. **Competitive** [COK24].
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Computer [RCS11, Ryo19, RB24, SNG⁺22, SCMR24, She13, SZB⁺25, SPR12, SA20, SM25, TK16, TB16, UR17, VCMV23, VFFT16, VSK22, Wag16, WK10, WW17, WDK20, YB19, YBV23, YBV24, YVQ⁺10, ZNF⁺20, ZCJR20, ZJWF11, AGEL13, Gri13, KG22, LGP13, Zin15]. **Computer-Based** [Lai22]. **Computer-Human** [LDW25].
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Dance [DMBP22]. **Darmstadt** [RVAN15]. **Data** [AHL17, BA17, BL14, CHU⁺09, DBSH24, GBB⁺17, HCAT23, WZL⁺22, YR15]. **Data-Driven** [GBB⁺17, YR15]. **Database** [MTGM21]. **Dataset** [TDMN⁺24]. **Debieron** [Vog21]. **Debts** [AYPMGB25]. **Debugger** [BS10]. **Debugging** [ABCD20, DBM24, ENC⁺24, WSLR23, YBO⁺24]. **Decade** [CHH⁺11, JK20]. **Deceptive** [WCT⁺24]. **Decisions** [HM22]. **Decoding** [YBO⁺24]. **Decoloniality** [Gey24]. **Defense** [AJNN20, JNA18]. **Defining** [NLWS24]. **Degree** [AANK14, LCI⁺25, McG12a]. **Demo** [KDXB18]. **Demo-Oriented** [KDXB18]. **Demographics** [LZRO21]. **Derived** [AHL17]. **Describing** [HLKZ12]. **Description** [LBM24]. **Descriptive** [Blu22]. **Design** [BC13, BC12, BKW25, Bra24, Bur11, CMSP⁺19, Coo10, DCW19, EKSW11, GML⁺23, Ip12, Joh19, KCB⁺23,

LPG⁺²⁵, LSSM19, OWK21, PCH09, Pel25, RWK⁺¹⁵, RG19, RLN⁺²², Shi16, TSK12, TP23, TDMN⁺²⁴, Xin15]. **Design-Based** [KCB⁺²³]. **Designers** [MW22]. **Designing** [BBSPK22, NCLN13, OHR22, Ric09]. **Desk** [Hun17]. **Detecting** [WLY⁺²⁵]. **Detection** [MM12, NJK19]. **Developing** [JLC⁺²⁵, MHP20, MR22, TSK12, TDMN⁺²⁴, WHS⁺¹⁷, ZQLW24]. **Development** [All23, AWW15, BCZ19, BCC⁺¹⁹, BBF⁺²¹, CG19, EVM24, HM19, HCAT23, Ip12, JMN⁺²², KO22b, Lar16, MSK⁺²³, MJB⁺²³, ME25, MW22, MC15, Mod21, NIA⁺²⁵, PDF15, PHRC21, RSPB17, Rit09, REB23, SZB⁺²⁵, VS22, VGRM19, VGM⁺²³, ZD15]. **Devices** [RP19, TSK12]. **Diagnosing** [Kie09]. **Dialog** [KDM⁺²³]. **did** [IT13]. **Didactical** [BDDGT14]. **Difference** [AM21]. **Differences** [Har21, RVSW23, SDBJ19]. **Different** [DSU20, DM23, KLM15, KA16, TAL17]. **Difficult** [EK17, VVM⁺²⁴, YZC19]. **Difficulties** [HLKZ12, LBK11, MS19, QL17, VVM⁺²⁴]. **Digital** [BC12, Gey24, MW18, RG19]. **Digital-coloniality** [Gey24]. **Dimensional** [WLY⁺²⁵]. **Dimensions** [TB16]. **Directed** [MBE⁺¹⁶]. **Directedness** [BBSPK22]. **direction** [IT13]. **Directions** [MM25]. **Discipline** [MFR13, Pet19, TM10]. **Discipline-Based** [MFR13]. **Discovering** [VGRM19]. **Discrepancies** [DJGIO20]. **Discrepancy** [DBM24]. **Discrimination** [LLF22]. **Discussion** [UCK⁺¹⁰]. **Discussions** [RB24]. **Disgusting** [AH24]. **Disrupting** [RLN⁺²²]. **Distributed** [BTF⁺¹⁹, BCZ19, BCC⁺¹⁹, ORKH09]. **District** [PS21]. **District-Wide** [PS21]. **Diversified** [SNG⁺²²]. **Diversity** [BVNN22, BCC⁺¹⁹, GML⁺²³, GYSH19, LLF22, RBSS11, STSI25]. **division** [LGP13]. **Do** [AH24, AB24, BBG12, Dou25, LRH⁺²², MSP21, MFH24, NCW22, TAL17, CHP⁺¹⁸, HM22]. **Does** [DCW19]. **Doesn't** [MS11]. **Doing** [NLWS24]. **Domain** [Bol22, MSK⁺²³]. **Domain-specific** [MSK⁺²³]. **Domains** [LRVW14]. **Don't** [GVA22]. **down** [ZPB13]. **down-to-earth** [ZPB13]. **Driven** [GBB⁺¹⁷, Shi16, YR15, CHM13, LMH21]. **Drop** [DBG⁺²³]. **Drop-out** [DBG⁺²³]. **Dual** [Rob22]. **During** [BSP24, RKM20, RJJ10, AL22]. **Dynamic** [CHU⁺⁰⁹].

Early [CHA17, KLC⁺²⁵, MR22, OHR22, RSPB17, HAA13]. **EarSketch** [MFM⁺¹⁶]. **earth** [ZPB13]. **Easily** [HSGB24]. **Easing** [Bra24]. **Easy** [WBK⁺²²]. **Economically** [SAK⁺²⁵]. **Ecosystem** [FTD⁺²⁴]. **Editor** [Hun17]. **Editorial** [MT23, RVI09, TM11a, TM11b, TM14, TM22]. **Editors** [BB10]. **Educating** [KSCP22]. **Education** [AIO25, AMD22, AM21, BDDGT14, BLM⁺¹⁴, Blu22, BH16, BCC⁺¹⁹, BBF⁺²¹, BXS⁺²⁴, Bur11, CTP25, CAL15, CB19, CJS⁺¹⁷, DBSH24, DZS22, EKSW11, EBC⁺²¹, ET12, FTD⁺²⁴, Fie19, GES14, GND19, Gey24, GVA22, GbGG⁺²³, GK17, GEME14, HSI⁺¹⁹, HE25, HCSAz22, HM19, HHM19, Hub12, HAGM14, HAG15b, HOC17, ILRD20, IIRY17, IKWR22, JK20, Joh19, KMW22, Kie09, KCB⁺²³, KMB⁺¹⁵, KG18, KV15, LRS21, LV11a, LV11b, LMB⁺²², LSTA22, LMH21, LRVW14, LSHY22, MM25, MFR13, MFM⁺¹⁶, MSK⁺²³, MT23, ME25, MSV⁺²³, MCK17, MBKS24, MW22, NIA⁺²⁵, O'G12, OWK21, PLF22, PGJS17, PM09, PCC⁺²⁴, RVAN15, RTE21, RWK⁺¹⁵, RLN⁺²², RVI09, RSL22, RB24, SSAT24, SYP24, STSI25, SAyC⁺²¹, SH18b, SKM13, SS23, TS20, TP23, TM10, TM11a, TM11b, TM14, TC19, TM22]. **Education** [TWH18, TSAA⁺²³, VMFG17, VSK22, WF24, YMZ⁺¹⁴, ZQLW24, NCLN13, Sor13, TM09, CB19]. **education-friendly** [NCLN13].

Educational [Har21, KS14, LRH⁺22, MC19, UR17, ZPB13]. **Educator** [BA17, NTH⁺25]. **Educators** [KLRT25]. **Effect** [Blu22, HSGB24, LBM24, MPDS24, MMFR20, RHSS20]. **Effective** [All23, ORS16, RJJ10, TGR⁺25, LGP13]. **Effectively** [ORKH09]. **Effectiveness** [MGM⁺23]. **Effects** [Che25, DJHGI19, DBR⁺20, MS11]. **Efficacy** [LBT20, RAS24, RCS11, SCMR24, ZQLW24, CMS⁺19, LY21, ZNF⁺20]. **Effort** [RKM20]. **Electrical** [MB25]. **Electronic** [JK20, KLS⁺14]. **Elementary** [KCB⁺23, LKOL⁺24, LIG22, VTB⁺20, YMZ⁺14]. **Elements** [TGR⁺25]. **Elo** [VMAG22]. **Elo-rating** [VMAG22]. **Else** [MRG17, RP19]. **Emancipation** [EBC⁺21]. **Embedding** [BKW25]. **Embodied** [MCK17, MC19]. **Emerging** [RB21]. **Emotions** [AL22, AB24]. **emphasizing** [IT13]. **Empirical** [AvdM21, AYPMGB25, GGT20, MFCLG19, MTGM21, SRA⁺25, Sho23, SS13]. **Empiricism** [HCSAz22]. **Employability** [IDC⁺19]. **Employers** [SWL⁺22]. **Enabling** [IDC⁺19, LG21]. **Encourage** [ETN⁺21]. **Endeavors** [CAL15]. **Ended** [DBM24]. **Engagement** [CDB⁺22, MBSBA09, SMM⁺24]. **Engaging** [KFME11]. **Engineer** [AYPMGB25, SK24]. **Engineering** [Akd23, AL22, AB24, BTF⁺19, CDK⁺14, CB19, DTT16, DJGIO20, DLS⁺25, FEC17, GVA22, Joh19, KFME11, LCI⁺25, MFR13, MPTV16, Mit14, Pet19, VMFG17]. **Engineers** [BCZ19, GGT20, MB25, MGM⁺23]. **Enjoyment** [ZD15]. **Enter** [LG21]. **Entering** [RB21]. **Enthusiasm** [Lar16]. **Entry** [RMBM24, TM11b]. **Environment** [ALP12, CDK⁺14, CDB⁺22, COK24, DMBP22, Köl10, LMGVS⁺16, MRR⁺10]. **Environments** [AYPMGB25, FU10b, GYSH19, GBB⁺17, IDC⁺19, Kie09, VFFT16]. **Envisioned** [Szy25]. **Epistemological** [Ros23]. **Equation** [LRJ14]. **Equations** [BKZL23]. **Equitable** [GYSH19]. **Equity** [FKG17, IKWR22, KFME11, VS22, WCPF20, ZCJR20]. **Equity-based** [VS22]. **Error** [TGR⁺25]. **Errors** [MK19, MFA23, PDBM25, PDF15, TSV18, WCT⁺24]. **Essential** [ZD15]. **Estimating** [BKZL23]. **Ethical** [HM22, Pad24]. **Ethics** [BXS⁺24, HM22, MAHC⁺22, RB24, SSF⁺19, SMM⁺24]. **Ethics-Infused** [SMM⁺24]. **EU** [SOB24]. **Evaluating** [BNW25, BWTL⁺25, DLS⁺25, Men24, VGRM19, WCPF20]. **Evaluation** [Bra24, HCAT23, Joh19, KM16, KLM15, LFU23, PHP⁺22, RSPB17, Rit09, SRA⁺25, Shi16, Wan11, BC13, LY21]. **Evaluations** [UFVI09]. **Event** [LMH21]. **Event-driven** [LMH21]. **Everyday** [RvJP20]. **Evidence** [MR22, MGM⁺23]. **Evidence-Based** [MR22]. **Exacerbates** [Ros23]. **Exam** [Men24]. **Examination** [Ip12, WK10, WF24]. **Examining** [DMBP22, JMN⁺22, NTH⁺25, RTE21, RHSS20, SCMR24, Zin15]. **Examples** [BNP11, Che25, MJC23]. **Executing** [SH18a]. **Execution** [BS10]. **Exemplars** [LMB⁺22]. **Exercise** [SGHZS19]. **Exercises** [DJHGI19, KJH19]. **Existing** [BF23]. **Expanding** [HM19]. **Expect** [GVA22]. **Expectations** [CGON24]. **Experience** [dCBBOSH24, FKG17, Har21, Pet19]. **Experienced** [AL22, ET12, RB22]. **Experiences** [Bar09, BSP24, ECF18, KFME11, LRH⁺22, ME25, NAG⁺23, PG23, TBB24, WF24, YBV23, YBV24]. **Experiment** [Bol22, BNW25, WX18]. **Experimental** [VI13]. **Expert** [BWTL⁺25, MFA23]. **Experts** [GVA22, SDBJ19]. **Explain** [VMFG17]. **Explanation** [Che25]. **Exploration** [LZRO21, MPTV16]. **Exploring** [BS24, dCBBOSH24, ET12, GM11, HM19, ILV25, MVR⁺24, ME25, RWS⁺24, Szy25, VS22, Vog21, WDC⁺24, ZQLW24, SNG⁺22].

Expository [WSP⁺11]. **Expressions** [OES25]. **Extending** [KKNL21, MBSBA09]. **Extensive** [Wan11]. **Extent** [MLA⁺24]. **External** [SBH⁺18]. **Eye** [MPDS24]. **Eyes** [KDV22, MRG17].

Fabrication [RG19]. **Face** [MGM⁺23]. **Face-to-face** [MGM⁺23]. **Facial** [STSI25]. **Facilitate** [Mit14]. **Facilitating** [SSSC18]. **Factors** [COK24, DJGIO20, DBG⁺23, ILV25, LRJ14, Tag24, WDC⁺24, ZD15]. **Faculty** [Bar09, GMM17, LSHY22, YBV24]. **False** [WCT⁺24]. **Families** [MSV⁺23]. **Feedback** [HBVTN21, KSCP22, KJH19, MBKS24, OES25, ORS16, SK24]. **Female** [KWB20, LBT20]. **Fiction** [GM14]. **Field** [SCA⁺10]. **Fight** [SYP24]. **Final** [CGZ⁺20]. **Final-year** [CGZ⁺20]. **Findings** [MR22]. **Fine** [SZB⁺25]. **Fine-Grained** [SZB⁺25]. **Finnish** [KV15]. **First** [AL22, AB24, BHMG21, CK09, NGK11, VCMV23]. **First-Year** [AB24, AL22, VCMV23]. **Fit** [BBG12, MFH24]. **Fitting** [Ip12]. **Fix** [Ber23]. **Flipped** [LSSM19]. **Flipping** [IT17]. **Focus** [BS24, Ric09]. **Following** [LMGV⁺16]. **Forging** [LSHY22]. **Formal** [GEME14, LBT20]. **Formation** [Ric09]. **Formative** [HBVTN21, KSCP22]. **Formed** [BAV25]. **Formulation** [PDBM25, TSV18]. **Forum** [CHP⁺18]. **Forward** [RS14, TM15]. **FOSS** [BMB⁺18]. **Fostering** [AH24, NIA⁺25, SMM⁺24]. **Foundation** [CHH⁺11]. **Four** [TSAA⁺23]. **Fractal** [EKSW11]. **Fragile** [MW18]. **Framework** [AMD22, FEC17, GBB⁺17, JLC⁺25, LSSM19, MHP20, MAHC⁺22, MW22, SSAT24, WWO25]. **Frances** [SPR12]. **free** [RMM21]. **French** [BDDGT14]. **friendly** [NCLN13]. **Fringe** [MW18]. **fsQCA** [PGJS17]. **Functional** [IT17]. **Future** [LSHY22, MM25, TS20].

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H [BMB⁺18]. **H/FOSS** [BMB⁺18]. **Hackathons** [Har21]. **Happens** [RMM21]. **Hard** [SPC19, WBK⁺22]. **Hardas** [DMBP22]. **Hardware** [BC12, LRVW14].

hegemonic [EBC⁺21]. **Help** [COK24, KSM25, HS13]. **Help-seeking** [COK24]. **Helping** [RT15]. **Heuristic** [KM16]. **High** [BSS20, CKSS21, DLM11, KLS⁺14, MFM⁺16, MVR⁺24, MSV⁺23, MSH10, Par23, TPQE18, WW17, WDK20, ZNF⁺20, ZCJR20, ZJWF11, AGEL13]. **High-Level** [TPQE18]. **high-performance** [AGEL13]. **Higher** [AMD22, CTP25, CJS⁺17, GbGG⁺23, ILRD20, MM25, MSV⁺23]. **Hints** [BWTL⁺25]. **Hired** [LZR24]. **Hiring** [SWL⁺22]. **Hispanic** [GHT⁺11, KLC⁺25]. **Hispanic-Serving** [GHT⁺11, KLC⁺25]. **Hispanics** [GHT⁺11]. **Historical** [BDDGT14, LZRO21]. **History** [BCD10]. **Holistic** [JLC⁺25, NGK11]. **Home** [BBF⁺21]. **Hours** [PHRC21]. **Howzat** [BWTL⁺25]. **HTML** [PDF15]. **Human** [BWTL⁺25, KG22, LDW25, MM25, RC13]. **human-centered** [RC13]. **Human-computer** [KG22]. **Hybrid** [LSSM19]. **Hypertext** [Kar09]. **Hypertextbook** [RV09]. **Hypothesis** [GBB⁺17]. **Hypothesis-Driven** [GBB⁺17].

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Ladders [LD19]. **Landscape** [PE23].
Language [AIO25, BWTS⁺23, KMW22, MRR⁺10, MPDS24, SPR12, SS13, Vog21, VCMV23].
Languages [KA16]. **Lanka** [RAS24]. **Large** [AIO25, BVNN22, BTF⁺19, BA17, DLS⁺25, SH18b, WCT⁺24]. **Large-Scale** [BA17, WCT⁺24]. **Later** [GC25]. **Latina** [ETN⁺21]. **Latino** [ZJWF11]. **Launching** [SF19]. **Leadership** [PS21]. **Learn** [GVA22, JNA18, LC21, MBE⁺16, PHRC21, RT15, TB16, ZD15, HS13]. **Learn-to-code** [LC21]. **Learnable** [CGON24]. **Learned** [SWL⁺22]. **Learner** [dCBBOSH24, Che25, Kie09]. **Learning** [AZK⁺20, AANK14, ALP12, BBG12, BS10, BAV25, Bol22, BSY⁺10, CDK⁺14, CDB⁺22, CHP⁺18, DMBP22, DTT16, DJHGI19, Fie19, FU10b, FPSS23, GYSH19, GBB⁺17, GK17, HEE⁺19, HHM19, HOC17, IDC⁺19, Kie09, KG18, KA16, LLKH18, LMGVS⁺16, LZT⁺19, LBK11, LIG22, MSK⁺23, MRG17, MVR⁺24, MBE⁺16, MAHC⁺22, McG12b, MAK12, MS11, MS19, MBSBA09, NIA⁺25, NBTC⁺24, O'G12, OES25, PCH09, PHRC21, PSK24, RT15, RG19, RPT⁺22, RvJP20, RMM21, SSF⁺19, SMM⁺24],

STSI25, SSSC18, SF19, SMGF24, SM25, SPC19, SS23, TMSA22, TAL17, TB16, TDMN⁺24, TPQE18, VI13, VFFT16, WDC15, YBV23, YBV24, BC13]. **lecture** [Gri13]. **Led** [RLN⁺22, MAHC⁺22]. **Left** [PLB⁺12]. **Legitimacy** [KRK24]. **LEGO** [SGHZS19]. **Lens** [Arm11]. **Lessons** [EHPR⁺23, OPC17, RSPB17]. **Let** [Ros23]. **Level** [MMK25, TPQE18]. **Levels** [Lar16]. **Leveraging** [AlO25]. **Liberal** [BBD⁺10, BB10, BCD10, WK10]. **Libraries** [RLN⁺22]. **Life** [BBG12, ME25]. **Limited** [Rit09, Ros23]. **Limits** [LFU23]. **Lines** [ALHR17]. **Link** [MBR23]. **Linking** [OPC17]. **Literacy** [JLC⁺25, KKNL21, MW18]. **Literal** [MS19]. **Literature** [BXS⁺24, Ebl24, EVM24, GbGG⁺23, HCSAz22, KJH19, LPG⁺25, LSTA22, PCC⁺24, PO20, QL17, Sha22, YBO⁺24]. **Live** [SRA⁺25]. **Load** [Che25, DZS22]. **Local** [BTF⁺19]. **Logic** [HLKZ12, MB25]. **Long** [LK19]. **Long-Term** [LK19]. **Longitudinal** [BCC⁺19, MAHC⁺22, OPC17, Pet19]. **Look** [MK19, OPC17, RS14, TM15]. **Looking** [Arm11, TM15]. **Low** [LZT⁺19]. **Low-performing** [LZT⁺19]. **Lower** [IIRY17, MSV⁺23].

Machine [BLNC09, Fie19, LMGVS⁺16, LZT⁺19, MVR⁺24, SSF⁺19, SMM⁺24, SF19, SPC19, TDMN⁺24]. **Machines** [FU10a, MBR23, Sor13]. **Major** [LRJ14, MDS16, SNG⁺22, ZJWF11]. **Majority** [RBSS11]. **Majors** [AZK⁺20, RB22, SPC19, WDK20]. **Make** [HM22, MS11]. **Making** [CMSP20, RG19]. **Maladaptive** [FPSS23]. **man** [RMM21]. **Manage** [AYPMGB25]. **Manager** [VGM⁺23]. **Managing** [BCC⁺19]. **Many** [HAG15b, ZPB13]. **many-core** [ZPB13]. **Mapping** [BSA⁺23, LMH21, TS20]. **MapReduce** [RRKP13]. ‘**MarCHIr**’ [LDW25]. **Marginalized** [SAK⁺25]. **Marker** [LDW25]. **Materials** [vdMHVH23]. **Mathematical** [DHH⁺15]. **Matters** [TM10]. **Measurement** [DSUP20, KKNL21, WDCT20, RRKP13]. **Measures** [CHA17]. **Measuring** [GBB⁺17, Lar16, LBT20, WDC15]. **Mechanisms** [SOB24]. **Medium** [She13]. **Medium-sized** [She13]. **Memoriam** [HAG15a]. **Men** [SM25]. **Mental** [BAV25]. **Mentoring** [BSP24, MSH10]. **Mentors** [BSP24]. **Merging** [Kar09]. **Messages** [TGR⁺25]. **Meta** [DCW19, UR17]. **Meta-Analysis** [UR17]. **Meta-Synthesis** [DCW19]. **Metacognition** [LMB⁺22]. **Method** [AHL17, BNW25, VI13, VFFT16, WLY⁺25]. **Methodology** [MSH10, SH18a]. **Methods** [FEC17, LLKH18, PO20, BC13]. **Micro** [BNW25]. **Micro-Insertion** [BNW25]. **Middle** [DBR⁺20, FEC17, KO22b, MVR⁺24, MR22, NBTC⁺24, OPC17, SMM⁺24, TABA12, WSP⁺11]. **Middle-School** [TABA12]. **Milestones** [SNOT21]. **Mindset** [RKM20]. **Mindsets** [FPSS22]. **Minecraft** [KO22b]. **Mirror** [BSP24, LGGS22]. **Misconceptions** [QL17]. **Missing** [MBR23]. **Mistakes** [BA17]. **Mitigate** [AYPMGB25]. **Mittermeir** [HAG15a]. **ML** [TDMN⁺24]. **MLeXAI** [RMNC10]. **Model** [BF23, BBF⁺21, BCD10, EHBA⁺23, HOC17, KLRT25, LMGVS⁺16, RVAN15, RMNC10, Shi16, SK24, SSB⁺23, TDMN⁺24, WDCT20, CHM13]. **model-driven** [CHM13]. **Modeling** [Bol22, LRJ14, Mit14, SSB⁺23, WLY⁺25]. **Models** [AlO25, BF23, BAV25, Blu22, CHA17, MSK⁺23]. **Moderator** [RPT⁺22]. **MOOC** [CHP⁺18, KV15]. **Most** [EK17]. **Motivate** [BHHMG21]. **Motivated** [ASG19]. **Motivation** [Che25, MBE⁺16, McG12b, NGK11, WF24]. **Motivations** [CGZ⁺20]. **Move** [RS14]. **Movements** [MPDS24]. **Moving** [ME25].

- Much** [Dou25]. **Multi** [BMB⁺18, KLC⁺25, WLY⁺25]. **Multi-Dimensional** [WLY⁺25]. **Multi-Institutional** [BMB⁺18, KLC⁺25]. **Multilingual** [JMN⁺22, Vog21]. **Multimodal** [RG19]. **Multiple** [ASG19, CHU⁺09]. **Multiple-Choice** [ASG19]. **multipurpose** [NCLN13]. **Musicians** [Fie19]. **Must** [RB24, SYP24]. **MyData** [SMM⁺24]. **Myself** [MRG17].
- National** [KWB20, Men24, TM14]. **Navigating** [FTD⁺24, SSAT24]. **Need** [Ber23]. **Needed** [DM23]. **Needs** [Ip12]. **Negotiate** [SAK⁺25]. **Network** [MW18]. **Networks** [PO20]. **Neurodivergent** [KRK24]. **Next** [BWTL⁺25, KMW22, Ko22a]. **Next-Step** [BWTL⁺25]. **Nexus** [MAK12]. **Nigeria** [TSAA⁺23]. **No** [PLB⁺12]. **Non** [DJHGI19, GVA22, Har21, LBT20, SPC19, RB22]. **Non-Compulsory** [DJHGI19]. **Non-CS** [RB22]. **Non-Formal** [LBT20]. **Non-Majors** [SPC19]. **Non-Technical** [GVA22]. **Non-traditional** [Har21]. **nontraditional** [RC13]. **Normative** [Blu22]. **Norms** [HCSAz22]. **North** [KMB⁺15]. **North-Rhine** [KMB⁺15]. **Norway** [Szy25]. **Noticing** [DBM24]. **Notional** [MBR23, Sor13]. **Novice** [ABCD20, BA17, BWTS⁺23, BWTL⁺25, CG19, KM16, MK19, MS19, TGR⁺25, WSLR23, Xin15]. **Novices** [RT15]. **Nurturing** [AlO25]. **NZ** [BAR14].
- Object** [AANK14, BS10, KKLL16, Shi16, Xin15]. **Object-Oriented** [AANK14, BS10, KKLL16, Shi16, Xin15]. **Objectives** [PM09]. **Objects** [Xin15]. **Observational** [CTP25]. **Offering** [Par23]. **One** [KMW22]. **Online** [BBG12, DJHGI19, FKG17, HM21, MGMGSSV25, SSAT24, VMAG22, VFFT16, WCT⁺24]. **Open** [DBM24, HM19]. **Open-Ended** [DBM24]. **Operating** [Ebl24, ZPB13]. **Opportunities** [CHH⁺11, PS21]. **Optimization** [SSD09]. **Orientation** [RCS11]. **Oriented** [AAGH14, AANK14, BS10, KLS⁺14, KKLL16, KDXB18, RMNC10, Shi16, Xin15, d'A10, AGEL13]. **Other** [Fie19, QL17]. **Our** [SYP24]. **Outcome** [LLKH18]. **Outcomes** [AZK⁺20, NBTC⁺24, OHR22, WX18]. **Outreach** [LK19, LBT20]. **Outsiders** [MFH24]. **Own** [MBE⁺16].
- Pair** [BJCS21, BWE11, UR17]. **Pair-Programming** [UR17]. **Pairing** [ZQLW24]. **Paradigms** [DSU20]. **Parallel** [BAV25, DSUP20, BAGM13]. **Parental** [BBF⁺21, CMSP⁺19, SCMR24]. **Part** [LV11a, LV11b, LRS21, RSL22]. **Partially** [ORKH09]. **Participating** [FKG17]. **Participation** [CHP⁺18, CHH⁺11, DBBR11, ETN⁺21, FKG17, KWB20, LV11a, LV11b, LZRO21, MPTV16, PG23, Pet19, Ros23, SOB24]. **Participatory** [RLN⁺22]. **Partner** [YBV24]. **Partnership** [EHPR⁺23]. **Pass** [SSD09]. **Path** [LSHY22]. **Paths** [STSI25]. **Pathway** [LD19]. **Pathways** [DBM24, LK19, LZR24, RMBM24]. **PatternCoder** [PCH09]. **Patterns** [Bol22, PCH09]. **Pedagogical** [EHBA⁺23, TSK12, VSK22, YB19, HAA13]. **Pedagogies** [ENC⁺24]. **Pedagogy** [BSS20, Ryo19, SAK⁺25, Zin15]. **Peer** [HCAT23, ILRD20, MJB⁺23, MAHC⁺22, TPQE18, LGP13]. **Peer-led** [MAHC⁺22]. **Peers** [BBSPK22]. **Penalties** [LFU23]. **Pensarse** [Vog21]. **People** [SNOT21]. **Perceived** [ZD15]. **Perception** [AAGH14, CTP25, vdMHVH23]. **Perceptions** [AvdM21, Bar09, BJCS21, CMSP⁺19, ECF18, MGMGSSV25, MDS16, TGR⁺25, ZCJR20]. **Perceptual** [CJS⁺17]. **Perfect** [MS11]. **Performance** [Che25, DSUP20, DJHGI19, KWB20, LY21,

- MGMGSSV25, MTGM21, RKM20, Wag16, WZL⁺22, YB19, AGEL13]. **Performative** [DMBP22]. **performing** [LZT⁺19].
- Persistence** [BSA⁺23, CHP⁺18, FWD⁺24, WDK20].
- Personal** [McG12b]. **Personalization** [BSY⁺10]. **Perspective** [AWW15, BMB⁺18, LIG22, TM14, VSK22].
- Perspectives** [BDDGT14, HAGM14, IKWR22, KLS⁺14, MSV⁺23, MFA23, RB22, YZC19, TP23].
- Phase** [Shi16]. **Phenomenographic** [LZR24]. **Philosophical** [WK10]. **Physical** [ENC⁺24, RG19, NCLN13]. **Picture** [KWB20]. **Pilot** [EHPR⁺23]. **Plagiarism** [Alb20, CJS⁺17, KSCP22, MM12].
- Planning** [McG12a]. **Platforms** [MCK17].
- Play** [HHM19]. **Playbook** [RB24]. **Playing** [RPT⁺22]. **Plays** [FTD⁺24]. **POGIL** [HS13]. **Point** [MS19, TWH18]. **Points** [GHT⁺11, TM11b]. **Policy** [GEME14].
- Polymorphism** [LBK11]. **Populations** [MFM⁺16]. **Positive** [Hun16, Hun17].
- Positives** [WCT⁺24]. **Postgraduate** [SSAT24]. **PostgreSQL** [TGR⁺25].
- Potential** [DBG⁺23, GK17]. **Power** [RTE21, RB24, Vog21]. **Powerful** [RvJP20].
- Practical** [O'G12]. **Practice** [CB19, EHPR⁺23, ENC⁺24, KRH⁺24, MR22, MS11, PE23, UR17]. **Practices** [ALHR17, KLS⁺14, KFME11, LKOL⁺24, MLA⁺24, PSK24, TDMN⁺24]. **Practitioner** [MSV⁺23]. **Practitioners** [Fie19]. **Pre** [EKSW11, LR11, MDS16, RP19].
- Pre-College** [EKSW11, LR11, MDS16, RP19]. **Predict** [CHP⁺18, LZT⁺19, LRH⁺22, Tag24].
- Predicting** [WDK20]. **Prediction** [LLKH18]. **Predictive** [CHA17].
- Predictors** [BKZL23, CKSS21]. **Preface** [FU10b]. **Preferences** [BS24, SM25, WWO25]. **Preliminary** [NBTC⁺24]. **Preparation** [Arm11].
- Prescriptive** [Blu22]. **Present** [LSHY22].
- Preservice** [NIA⁺25]. **Presuppositions** [Ten14]. **Primarily** [KLC⁺25]. **Primary** [EHBA⁺23, HAGM14, IIRY17, ZQLW24].
- Principles** [BKW25, BDY⁺25, DHH⁺15, MJB⁺23, MMFR20, ORS16, SNG⁺22].
- Prior** [Sho23]. **Privacy** [TBP21]. **Privilege** [RTE21]. **Problem** [Che25, DTT16, Kie09, LBM24, O'G12].
- Problem-Based** [DTT16, O'G12].
- Problem-Solving** [Che25, Kie09].
- Problematic** [WLY⁺25]. **Problems** [AANK14, AB24, Kie09, PE23]. **Procedural** [SSD09]. **Process** [CK09, HOC17, McG12a, Rob22].
- Processes** [RJJ10]. **Processors** [SH10].
- Procrastination** [PD22]. **Product** [ALHR17]. **Productivity** [DSU20].
- Professional** [All23, CGON24, EVM24, ET12, ECF18, FDW19, KPM18, MJB⁺23, NTH⁺25, PHRC21, RSPB17, SDBJ19, SSSC18, VS22, YZC19]. **Professionals** [AJNN20, BF23, JNA18]. **Professions** [LG21]. **Profiles** [KPM18, NTH⁺25].
- Program** [AHL25, DSS21, EHPR⁺23, HM21, KRH⁺24, KDV22, McG12b, RSPB17, RT15, RVI09, SKM13, UFVI09, HS13].
- Programadores** [Vog21]. **Programme** [LBT20]. **Programmed** [WDCT20].
- Programmer** [MK19, YZC19].
- Programmers** [ABCD20, BAV25, BWTL⁺25, CG19].
- Programming** [ASG19, AvdM21, Alb20, AAGH14, AANK14, AMSBA15, AL22, AB24, dCBBOSH24, BAV25, BJCS21, Bra24, BWE11, BA17, BWTS⁺23, BSY⁺10, CHA17, CK09, Che25, COK24, DSUP20, DSU20, DCW19, FKG17, Gey24, GBB⁺17, HSGB24, IT17, KKLL16, KMW22, KSCP22, KJH19, Köl10, KM16, KLM15, KA16, LLKH18, Lai22, LK19, LY21, LMB⁺22, LMH21, MRR⁺10, MPDS24, MMFR20, MFCLG19, MCK17, MC19, MBKS24, MS19, MJC23, NIA⁺25, NGK11, OHR22, PCH09, QL17, RKM20, RJJ10, RB22, RPT⁺22,

- RS14, SCMR24, SMGF24, SKM13, SS13, TAL17, UR17, VCMV23, VMAG22, VVM⁺24, WX18, WW17, WDC15, WHS⁺17, Xin15, YZC19, ZQLW24, vdMHVH23, BAGM13, IT13, Sor13]. **Programs** [BBD⁺10, BSA⁺23, BS10, CMSP⁺19, DBG⁺23, McG12a, PG23, RBSS11]. **Progression** [BAV25]. **Progressions** [SZB⁺25]. **Project** [FDW19, IT17, LMGVS⁺16, NIA⁺25, Ric09, RMNC10, SBH⁺18, VGM⁺23, Wan11]. **Project-Based** [LMGVS⁺16, NIA⁺25, Ric09, RMNC10]. **Projects** [BH16, BMB⁺18, BBSPK22, DJGIO20, HCAT23, LCI⁺25, MSH10, Mit14, PD22, PLB⁺12, SH18a, SSSC18, SH18b, TBP21]. **Promising** [KFME11]. **Promote** [LR11, OHR22]. **Promoting** [KFME11, TBP21]. **Prospects** [SSAT24]. **Prototype** [RV09]. **Prototypes** [LDW25]. **Prototyping** [KDXB18]. **Psychometric** [PHP⁺22]. **Public** [BVNN22, Con24, RAS24, SYP24]. **Publications** [BXS⁺24]. **Purpose** [TMSA22]. **Purposeful** [KV15]. **Pyrates** [Bra24]. **Python** [Bra24, WX18].
- Qualitative** [AL22, KG22, RB22, SMGF24, YR15]. **Quality** [Alo25, BNP11]. **Quantitative** [KLM15]. **Query** [PDBM25, TSV18]. **Questions** [ASG19, HAG15b, Sho23, Ten14, VVM⁺24].
- R1** [BVNN22]. **Race** [VS22, WDC⁺24]. **Racism** [VS22]. **Raise** [VGM⁺23]. **Randomized** [BNW25, DSUP20, DSU20]. **Raspado** [RMM21]. **rating** [VMAG22]. **Rationales** [LKOL⁺24]. **Re** [RVSW23, RB21]. **Re-Entering** [RB21]. **Re-Validating** [RVSW23]. **react** [IT13]. **Readiness** [RAS24]. **Reading** [AHL25]. **Real** [AMSBA15, BHMG21, LMGVS⁺16, TBP21]. **Real-World** [TBP21, BHMG21]. **Realist** [Pad24]. **Reality** [WWO25]. **Reasoning** [DBM24, DHH⁺15]. **Recognised** [DM23]. **Recognition** [STSI25]. **Recommendation** [VMAG22]. **Reconfigurable** [SH10]. **Recruiting** [CMSP20, PSK24]. **Recursion** [HEE⁺19]. **RecurTutor** [HEE⁺19]. **Redesign** [TSK12]. **Redesigning** [KKLL16]. **Reference** [MS19, MM12]. **Reference-Point** [MS19]. **Reflect** [PG23]. **Reflections** [ET12, Mal23]. **Reform** [GM11]. **Regarding** [TABA12]. **Regression** [LFU23]. **Regular** [GML⁺23, OES25]. **Regulation** [FPSS23, LMB⁺22, SMGF24]. **Rehabilitation** [NGK11]. **Related** [WDK20]. **Relation** [ILV25, Ten23]. **Relationship** [FPSS23, MVR⁺24]. **Relationships** [RHSS20, SS23]. **Relevant** [KS14]. **Remotely** [MC19]. **Repeating** [MGMGSSV25]. **Replication** [GC25]. **Replications** [HSI⁺19]. **Reporting** [BVNN22, HCSAz22]. **Reports** [KG22]. **required** [IT13]. **Research** [BVNN22, Bar09, DCW19, DZS22, EHPR⁺23, GM14, GbGG⁺23, HSI⁺19, HB15, HCSAz22, HOC17, IT17, JK20, KCB⁺23, KFME11, LMGVS⁺16, MT23, MAK12, PM09, SSSC18, SF19, SS23, TS20, TP23, TM11b, Ten14, TM22]. **Research-Practice** [EHPR⁺23]. **Researcher** [Ten23]. **Researcher-Theory** [Ten23]. **Researchers** [MW22]. **Resource** [KSM25]. **Resources** [Ebl24, Rit09]. **Response** [LLF22]. **Responsible** [BNW25, KLC⁺25, MAHC⁺22, RMM21]. **Responsive** [RG19, RB24]. **Restart** [BSCH14]. **Results** [AJNN20, BNW25, JNA18]. **Resurgence** [BSCH14]. **Retaining** [FWD⁺24, HM21]. **Retention** [DBG⁺23]. **Rethinking** [HE25, KSM25]. **Reusing** [ABCD20]. **Review** [Alb20, BXS⁺24, DZS22, Ebl24, EVM24, GbGG⁺23, HCSAz22, HOC17,

ILRD20, KJH19, LPG⁺25, LSTA22, LMH21, MBKS24, MJC23, NJK19, Pad24, PLF22, PCC⁺24, PO20, QL17, Sha22, SKM13, TPQE18, YBV23, YBO⁺24]. **reviews** [HAA13]. **Rhine** [KMB⁺15]. **Rigorous** [HAG15b]. **Robot** [MC19]. **Robotics** [BS24, LR11, MCK17, NIA⁺25, WHS⁺17]. **Robots** [AH24, McG12b]. **Robust** [CHU⁺09, LZT⁺19, TCK21]. **Roland** [HAG15a]. **Role** [FTD⁺24, OWK21, PGJS17, RBSS11, SNG⁺22, SCMR24, TP23, IT13]. **Routes** [RMBM24]. **Rubric** [WCPF20]. **Rules** [DSS21]. **Rural** [TMSA22, ZQLW24]. **Russia** [KS14].

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