

JULIA DING

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Education

Columbia University , <i>B.S. Computer Science, C.P. Davis Scholar</i> (GPA: 4.0+/4.0) Involvement: PGI Quantitative Analyst: Education Fund, Columbia Quant Group, SWE Mentorship Committee, Application Development Initiative Devfest Committee, WiCS Event Coordinator, IEEE Representative, RTC, NCWIT Coursework: Data Structures, Advanced Programming, Discrete Mathematics, Multivariable Calculus	2023 – 2027
Liberal Arts and Science Academy , <i>Higher Honors</i> Coursework: Discrete Mathematics, Linear Algebra Dual Credit with Austin Community College: Web Programming, Web Design, UNIX Operating Systems	2019 – 2023

Skills

C, C++, Java, Python (pandas, NumPy), JavaScript, Web Development (HTML/CSS/Bootstrap, React, Next, PHP),
UNIX, SQL, Swift, Git, Microsoft Suite, Excel, Google Suite

Professional Experience

Google , STEP Intern (<i>Incoming Summer 2024</i>)	May 2024 - Aug 2024
BATS-TOI , Software Engineer Intern (<i>Incoming Spring 2024</i>)	Feb 2024 - present
Mathworks at Texas State University , Counselor & Research Coordinator Led daily 4h study groups and problem sessions over contest math & Number Theory proofs Organized research symposium and provided feedback on returning student research projects	Jun 2023 – Jul 2023
Fiveable , Community Intern & Content Creator Organized and directed first summer makeathon with ~130 attendees, 25+ projects, and ~10 live events Developed open source site (open.fiveable.me) to showcase member projects Led 100+ volunteers to organize events to promote community engagement for ~23000 members	May 2021 – Oct 2021
MTY Academy , Teaching Assistant Ran bimonthly lab sessions and taught material to Algebra students (class of 55)	Sep 2020 – May 2023

Organizations

Hack Club , LASA Club Founder & President Led leadership team in decision-making, hosted weekly interactive "hacking" workshops Developed and maintained website (lasa.hackclub.com), grew club to 50+ members through outreach Selected to attend Hacker Zephyr (2021) and Assemble Hackathon (2022), all expenses paid	Dec 2020 – May 2023
LASA Women in Computer Science+ Club , Chair Hosted monthly presentations for Austin’s largest high school community of 40+ women/non-binary students Invited industry guest speakers for special talks with 80+ attendance	Aug 2019 – May 2023
Superposition , Director of Technology & Hackathon Organizer Organized Superposition VI women/non-binary hackathon (280 attendees, \$4000+ in prizes) Conducted outreach to sponsors and website development, judged projects	Dec 2020 – May 2022
Define Include , Instructor & Curriculum Creator Bridging the gender gap in computer science through instructing ~100 students worldwide Pitched & created content for web development course	Jul 2021 – Sep 2021

Awards

Citadel Women’s Datathon Invitational Attendee 1 of 80 competitors selected of 2000+ applicants worldwide to conduct data analyses and write a math modeling paper analyzing the effects of gas prices on unemployment in specific transportation sectors	2024
Jane Street WISE Attendee 1 of 112 women selected to attend a two-day program Learned OCaml and quantitative concepts, engaged in trading activities with traders and engineers	2023
Non-Trivial Fellowship Engaged with 8-week curriculum to build a project addressing the most pressing global issues 1 of 100 fellows selected from 25,000+ global applicants	2023
Texas American Regions Math League (ARML) Team Selected to be on the team as top 45 in the state in competition math, 1 of 6 female students on team	2021
NCWIT Aspirations in Computing , National Honorable Mention & 3x Austin Winner 360 of 3700+ women nationwide recognized on the basis of technology/computing accomplishments Received for demonstrated passion/leadership in computing	2021

Projects

Research with Dr. Rodion Podorozhny at Texas State University Performed a comparative analysis on verification methods of distributed AI systems Authored & published paper (https://arxiv.org/abs/2302.04389), presented findings at symposium	2022
Oratio Heightened speech to text app that uses semantic “visual tokens”, elevating visual education and language learning Awarded First Place (Advanced) at hackNEHS	2021