

JULIA DING

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Education

- Columbia University**, *B.S. Computer Science, C.P. Davis Scholar* (GPA: 4.0+/4.0) 2023 – 2027
- **Extracurriculars:** Paragon Global Investments, Columbia Quant Group, Society of Women Engineers, Application Development Initiative, Women in Computer Science Club, IEEE, Rewriting the Code
 - **Coursework:** Data Structures, Databases, Artificial Intelligence, Advanced Programming, Discrete Math, Probability
- Cornell University**, *Break Through Tech AI Certificate in Machine Learning Foundations* 2024

Skills

Java, Python (pandas, NumPy), TypeScript, React, Angular, Next, C, C++, JavaScript, HTML/CSS, UNIX, SQL, Swift, Git

Professional Experience

- Verizon**, *AI Studio Fellow* Aug 2024 - present
- Developed machine learning models using NLP and supervised learning to create a categorization system for the Enterprise Architecture team, strengthening in its generative rationalization strategy
- Google**, *STEP Software Engineering Intern* *Java, Angular2/TypeScript* May 2024 - Aug 2024
- Reduced cost of manual issue management on **Issue Tracker**, used by **500k+ internal users**
 - Drove project end-to-end with **2k+ lines** of code and **15-page design doc** for core backend algorithm & frontend chip to generate/display hotlist recommendations for an issue
 - Led and demoed project work, triaged issues, fixed longstanding bugs, completed UI feature request
- Mathworks at Texas State University**, *Counselor & Research Coordinator* Jun 2023 – Jul 2023
- 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

Organizations

- Columbia Quant Group**, *Executive Board* Jan 2024 - present
- Planned monthly events for 100+ general body members and led outreach and board recruitment efforts
- Columbia IEEE**, *Executive Board* Jan 2024 - present
- Coordinated team meetings/general body events for 50+ students and organized team resources
- Columbia Application Development Initiative**, *Devfest Workshops & Tech Dev* Sep 2023 - present
- Led backend workshop for Devfest (largest Columbia hackathon); developed 2025.devfestcu.com
- Women in Computer Science (WiCS) Club**, *Columbia Divhacks Organizer, LASA Chair* (2019-2023) Aug 2019 – present
- Created columbiadivhacks.org on the tech dev team for Divhacks, a hackathon for gender minorities

Awards

- Jane Street INSIGHT & WiSE Attendee** 2025
- Harvard Undergraduate Trading Competition Invitee, Citadel Event First Place** 2024
- Citadel Women's Datathon Invitational Attendee** 2024
- 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
- Texas American Regions Math League (ARML) Team** 2021
- Selected to be on team as top 45 in the state in competition math, 1 of 6 female students on team
- NCWIT Aspirations in Computing, National Honorable Mention & 3x Austin Winner** 2021

Projects

- Research with Dr. Rodion Podorozhny at Texas State University** 2022
- Authored & presented a [comparative analysis](#) on verification methods of distributed AI
- Oratio, hackNEHS First Place** 2021
- Built a [speech to text app](#) with semantic “visual tokens”, elevating visual education & language learning

Leadership

- Hack Club, LASA Club Founder & President** Dec 2020 – May 2023
- Developed and maintained website (lasa.hackclub.com), grew club to 50+ members through outreach
 - Selected to attend Hacker Zephyr (2021) and Assemble Hackathon (2022) at Figma, all expenses paid