

Ganning Xu

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

B.S. Computer Science (Honors)

May 2026 (expected)

Concentration: Systems & Architecture, Information Internetworks

GPA: 4.0/4.0 • Computer Architecture, Data Structures, Algorithms, Objects & Design, Databases, Systems & Networks, Operating Systems, Compilers, Digital Design, Object-Oriented Programming, Multivariable Calculus

EXPERIENCE

Software Engineer Intern

May 2025 – Aug 2025

Wealthfront

Palo Alto, CA

- Engineered and deployed a scalable system that persists over 400,000 daily financial records, ensuring accurate interest calculations for all client accounts.
- Designed and implemented high-performance banking services, improving transaction processing speed by 20%.

Software Engineer

May 2025 – Aug 2025

Apache Software Foundation

Remote

- Developed and launched 2 cross-platform desktop applications to manage 1000+ simultaneous supercomputing jobs, boosting researcher productivity by 50%.
- Spearheaded the development of the Cybershuttle web platform, creating a national resource-sharing hub utilized by 500+ scientists, with the work being presented at five major research workshops.

Undergraduate Teaching Assistant

Aug 2024 – Jun 2025

Georgia Tech College of Computing

Atlanta, GA

- Mentored 50+ undergraduate students weekly in digital logic, LC-3 assembly, and C programming.
- Developed new assignments, quizzes, and lab exercises, for 900+ students to reinforce key learning objectives.

Software Engineer Intern

June 2024 – Aug 2024

Fidelity Investments

Durham, NC

- Delivered robust RESTful APIs to automate key brokerage processes and improve data consistency.
- Wrote a comprehensive suite of 318 unit/integration tests, achieving 90% code coverage to ensure API reliability.
- Proactively resolved 99% of quality issues, resulting in a 40% reduction in API response latency.

PROJECTS/VOLUNTEERING

HexLabs Director of Technology

Jan 2024 – Present

- Led team of 15 students to develop the entire software ecosystem for Georgia Tech's largest annual hackathon.
- Architected and scaled web and mobile applications for 45,000 students, mentors, and organizers monthly.

CounselorBot GitHub Instructor Bot | *TypeScript*

Jan 2023 - Apr 2023

- Created a GitHub automation bot that guided 200+ students through learning repositories by programmatically creating assignments and auto-grading code.
- Built a companion tool that accelerated the development of new learning repositories by 75%.

Focale - Study Timer Chrome Extension | *JavaScript, Chrome API*

June 2021 – Jul 2022

- Engineered and launched a Chrome Extension to block distracting websites and track study sessions.
- Grew the user base to over 1,000 active users and maintained a perfect 5.0-star rating on the Chrome Web Store.

University of North Carolina Wang Lab Website | *React.js, Next.js*

Jan 2022 - May 2022

- Engineered a public-facing website for a biochemistry lab, successfully scaling to 30,000 monthly visitors.
- Authored 12 pages of technical documentation to empower non-technical lab members to easily maintain the site.

TECHNICAL SKILLS

Languages: Java, JavaScript, TypeScript, Python, C, SQL, Kotlin, Bash, HTML/CSS

Frameworks: Springboot, Hibernate, React.js, Node.js, Express.js, Next.js, AngularJS, Electron.js, Kotlin, JUnit, Mockito, pandas, NumPy, Matplotlib, TensorFlow, scikit-learn

Tools: Amazon Web Services (AWS), Microsoft Azure, Google Cloud Platform, MongoDB, Firebase, Docker, GitHub