

Andrew Mao

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EDUCATION

Georgia Institute of Technology, College of Computing & Scheller College of Business **Atlanta, Georgia**
Bachelor of Science in Computer Science, Certificate in Leadership and Organizational Change *May 2025*

- Focus: Human Computer Interaction and Front-End Technologies **GPA: 3.86, Major GPA: 4.0**
- Study Abroad: Georgia Tech Lorraine in Metz, France *May 2022 - August 2022*
- Awards/Scholarships: Zell Miller Scholarship, National AP Scholar with Distinction, National Merit Finalist, Dean's List, Faculty Honors, Order of Omega
- Coursework: Object-Oriented Programming, Data Structures and Algorithms, Linear Algebra, Multivariable Calculus, Discrete Mathematics, Computer Organization and Programming, Intro to Database Systems

EXPERIENCE

Slalom Consulting **Atlanta, Georgia**
Software Engineering Consultant Intern *May 2023 – August 2023*

- Architected, developed, and deployed a full-stack ideation brainstorming tool web application using React framework
- Developed website design using Flexbox CSS and completed functionality testing with React Jest before deployment
- Created future implementation Figma designs to pitch the high-priority proprietary tool to multiple Fortune 100 companies

Georgia Institute of Technology, College of Computing **Atlanta, Georgia**
CS1331 Object-Oriented Programming Teaching Assistant *August 2022 – August 2023*

- Organized and led 75-minute weekly recitation sessions for 250+ students to teach Java and OOP principles
- Wrote and graded weekly homework assignments and exams for all students while providing actionable feedback
- Hosted 2 hours of office hours every week dedicated to one-on-one and group student help sessions on course materials

180 Degrees Consulting **Atlanta, Georgia**
Senior Consultant *August 2021 – February 2023*

- Used market analysis and digital strategy to help non-profits through 180DC, the world's largest non-profit consultancy
- Provided tangible and implementable solutions after identifying the issue behind the lack of Red Cross RCYP engagement
- Led rebranding efforts for the non-profit Global Health Action, including a new logo, brochure, tagline, and website design

PROJECTS

Student Software Engineer: Mobile Development for Good Voice App *August 2022 - Present*

- Developed an app utilizing React Native to analyze and improve their speech patterns for brain trauma survivors
- Implemented an audio recording and playback component in the app using an Expo Audio API
- Converted the app from using Firebase to AWS Amplify and S3 for the storage and retrieval of users' speech recordings

Cross The Road Game *January 2023 – May 2023*

- Developed an interactive Cross the Road game with custom names and multiple playable characters in Android Studio
- Created backend movement functionality of the character and handled collisions with obstacles such as cars using Java
- Added additional functionality through a timer, score tracker, and logs that the player sprite could move on top of

Dynamic Memory Allocation Techniques *March 2023 – April 2023*

- Wrote a doubly linked list implementation in C of key memory allocation functions malloc(), calloc(), free(), and realloc()
- Tracked traversable memory blocks and implemented functionality to properly handle freed memory through sbrk() calls
- Actively handled edge case scenarios surrounding memory leaks and overflows through preemptive checks

INVOLVEMENT

Georgia Tech Alumni Association **Atlanta, Georgia**
Georgia Tech Student Ambassador *January 2023 – Present*

- Served as an official host of Georgia Tech to all alumni, prospective students, and special guests of the Institute
- Gave 20+ personalized and guided tours of Georgia Tech's campus with detailed descriptions of each building/structure
- Worked 10+ events with hundreds of guests at each such as Commencement, President's Dinner, and Gold & White Gala

SKILLS/INTERESTS

Languages: Java, Python, C, React, JavaScript, Typescript, CSS, HTML, Assembly, SQL, JavaFX, React Native
Technologies: Git, VS Code, IntelliJ, Figma, Terminal, MacOS, Microsoft Suite (Word, Excel, PowerPoint)
Skills: Public Speaking (TEDx Speaker), Leadership, Agile, Organization
Spoken: English (Native), Chinese (Fluent), Spanish (Proficient)
Affiliations: Phi Gamma Delta, GT Student Ambassadors, 180 Degrees Consulting, GT Student Government UHR
Interests: Guitar, Running, Working Out, Photography/Filmmaking, Cooking, Recording Music (<https://sptfy.com/KtDA>)
Volunteer: Founder of non-profit Keep the Ball Rolling (KBR), raised \$968 for BLM through a 24-mile run, two-year volunteer at Odyssey and Habitat for Humanity, raised \$500 for victims of Parkland Shooting and \$1000 to build houses for extremely impoverished families in Guatemala