

# 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, Applied Combinatorics, Multivariable Calculus, Discrete Mathematics, Computer Organization and Programming, Intro to Database Systems

## EXPERIENCE

**Amazon Web Services (AWS) – Health AI** **Seattle, WA**  
**Software Development Engineer Intern** *May 2024 – Present*  
• Researched, designed, and implemented a Python machine learning algorithm to quality check medical text annotations  
• Streamlined the filtering process for ML training data, saving 10,000+ medical records from expensive manual annotations  
• Used AWS services to develop a one-click workflow to create and upload metadata to a database, allowing easy querying

**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

## PROJECTS

**Student Software Engineer: Mobile Development for Good Voice App** *August 2022 – January 2024*  
• 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

**Personal Portfolio Website** *March 2024 - Present*  
• Developed and deployed a personal portfolio website to highlight personal education, achievements, and projects  
• Utilized a React framework with JavaScript and CSS to build and maintain dynamic website components and layouts  
• Conceptualized and implemented features such as a rotating image carousel, social media sidebar, and email functionality

**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

## 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, AWS Services, Terminal, VS Code, IntelliJ, Figma, 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