AMARA WILLIAMS

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EDUCATION

Georgia Institute of Technology, College of Computing, Atlanta, GA   May 2025
Bachelor of Science in Computer Science   ***Concentrations***: Info internetworks & People

SKILLS

Certifications: CSM (Certified Scrum Master), Scrum Alliance, Active through: January 14, 2026
Frameworks & Methodologies: Project Management (Agile, Waterfall, and Scrum), Object-Oriented Programming/Design, SOLID, and GRASP

Technical: Python, Java, React Native, Assembly, C, JavaScript, TypeScript, ReactJS, HTML5, CSS, Git/GitHub, Microsoft Suite, IntelliJ, Android Studio, Confluence, Jira, Notion, MySQL, SQL, Drupal, EERD, Schema mapping, Domain Modeling, REST APIs, Docker, and Figma

EXPERIENCE

iD Tech   June 2024 – Present
Online Instructor – Instructor, Mentor, Facilitator, Python, Java

- Develop individual lesson plans for over 60 students between ages 7-19 and deliver engaging 1-on-1 lessons, increasing proficiency and motivation to learn Java, Python, General CS, and Scratch.
- Conduct 3 virtual tech camps providing project based, weeklong coding sessions, enhancing fundamentals in programming and fostering creativity

Georgia Institute of Technology   December 2024 – Present
Peer Coach & Student Assistant – Coach, Facilitator, Assistant

- Facilitate weekly peer accountability groups, motivating students to continue their studies and providing coaching.
- Assist the College of Computing with monthly events, including setting up and breaking down the event, ensuring a professional and efficient environment.

Target Corporation   May 2023 - Present
Deli Associate

- Manage daily operations of the deli department by collaborating with team members to meet store goals, preparing food for inventory following food safety procedures, and maintaining a clean, prepared work area.

PROJECTS

Google Maps Powered Commuter App
                                                                                                                                         January 2025 – Present
Full-Stack Developer – Project Management (Agile), Firebase, React Native, Expo, Node.js, Typescript, Google Maps API, User Testing, User Research, Figma, Git

- Designed and developed a React Native app to display real-time transit routes, delay notifications, and scheduled commute options.
- Optimized API calls by reducing payload, improving throughput from ~0.44 to 40,000 calls/sec without compromising core functionality.
- Recruited 2 developers to collaborate, conduct user research and user testing, and implement key features for an MVP including creating a BMC.
- Integrated Google Maps to render multi-leg commutes through dynamic mapping UI.

MySQL Business Supply GUI   August 2024 – December 2024
Full-Stack Developer – Project Management (Waterfall), MySQL, SQL, Python (Flask), EERD, Schema Mapping, Git

- Designed, implemented, and integrated a MySQL database into a full-stack GUI application for a business supply system utilizing a tech stack of python, html, CSS, flask, and SQL.
- Collaborated with 3 developers to create an EERD, relational schema, and implement stored procedures translating business requirements into a functional and efficient database structure.

Background Noise Filtered Voice Recording App   August 2024 – December 2024
Developer – Project Management (Waterfall), Android Studio, DeepFilterNet, Java, Python, Figma, Unit Testing, Jira, Git

- Developed an Android application that records voice memos and uses DeepFilterNet to suppress background noise for clearer audio playback.
- Implemented in-app voice recording, sharing feature, and file management, including saving recordings to a labeled folder on the device.

LEADERSHIP

Empathy Bytes   January 2024 - Present
Full-Stack Developer – Project Management (Waterfall), Notion, JavaScript, ReactJS, Git, Drupal, GraphQL, Gatsby, CSS

- Led backend web team by conducting regular meetings, creating 3 training/onboarding resources, documenting research findings including bug tracking, and monitoring progress.
- Spearheaded resolution of a backend issue inhibiting deployment through documentation detailing reproduction steps and insights.
- Led workshops for backend team, increasing speed of task completion by 50% and increasing team engagement.
- Participate as a full-stack web developer with 7+ merged pull requests in a research project focused on virtual preservation of Georgia Tech artifacts.