

# BRAIAN GUZMAN

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## EDUCATION

**Georgia Institute of Technology**, Atlanta, GA

**May 2026**

*Bachelor of Science, Computer Science, Major GPA: 3.57*

**Relevant Coursework:** *Data Structures and Algorithms, Object Oriented Programming, Computer Organization and Programming, Discrete Math, Systems and Networks, Design of Algorithms*

## SKILLS

- Technical Skills: *Java, Python, Assembly, C++, HTML, SQL, JavaScript, CSS, MATLAB, Firebase, React. JS, Azure*
- Certificates: *JP Morgan Chase & Co. Software Engineering Job Simulation*

## WORK EXPERIENCE

**Amazon Web Services**, Santa Clara, CA

**May 2025 – August 2025**

*Software Development Engineer Intern, (Python, AWS Bedrock, AWS Lambda, API Gateway, EventBridge)*

- **Developed Python-based MCP server on AWS Lambda achieving 0.2-second connection speeds**, processing natural language queries through Bedrock Claude and automatically interfacing with third-party Grid Modeling Service to eliminate manual grid manipulation
- **Integrated 5 AWS services** to create scalable infrastructure supporting unlimited grid asset queries, with comprehensive codebase of 20+ files serving a 9-member team as production baseline
- **Reduced grid modeling workflow complexity by 60%** by enabling natural language-to-API translation, transforming manual processes into automated 2-second AI-powered responses for grid asset management

**Getting to Know U – Vertically Integrated Projects**, Atlanta, GA

**August 2024 – May 2025**

*Front End Developer, Researcher (HTML, CSS, JavaScript)*

- **Developed** an LLM web application designed to answer student questions about coursework, scheduling, and historical course offerings using curated academic data
- Fine-tuned and **evaluated** model responses using **100+** computer science syllabi to improve accuracy and relevance of course-related information by 25%
- **Implemented** a UI interface with front-end technologies HTML, CSS, and JavaScript to visualize and compare model performance across all iterations

## PROJECTS

**Spotify Wrapper**, *Full-Stack Developer (Java, XML, Android Studio, Firebase)*

- Programmed Spotify Wrapper from scratch utilizing Spotify API within Android Studio, **enabling data processing speeds 30% faster** than previous iterations
- Utilized Firebase for real-time data synchronization, ensuring a consistent user experience across platforms.

**College Scheduler**, *Full-Stack Developer (Java, XML, Android Studio)*

- Implemented a User-friendly interface design that allows students to add Classes and Assignments.
- Developed problem-solving strategies with exhaustive testing that **reduced application errors by 60%**

## LEADERSHIP & PROFESSIONAL DEVELOPMENT

**MLT – Career Prep**, *Software Engineering Track Fellow*

**April 2025 – Current**

- Selected as a SWE Fellow with Management Leadership for Tomorrow (MLT), a program focused on developing diverse leadership in technology
- Collaborated with a cohort of high-potential individuals to enhance technical skills, drive innovation, and contribute to MLT's mission of increasing diversity in the tech industry

**CodePath - Intro to Technical Interview Prep**, *Community Member*

**September 2024 – November 2024**

- Committed 5-10 hours per week over a 10-week period to learning the basics of data structures & algorithms.
- Developing a deeper understanding of real-world technical problems through hands-on experience

**Student Government Association**, *Senior Class Representative*

**August 2024 - Current**

- Serve as a liaison between over **5000 Senior class students** and the administration, voicing student concerns and ensuring representation in key decisions that affect the student body

**Clubs and Student Involvement:** National Society of Black Engineers, Black Student Computing Organization, Colorstack, Society of Hispanic Professional Engineers, Peer2Peer Mentoring, Ethiopian-Eritrean Student Association