

Tyler Vo

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Education

Georgia Institute of Technology

Bachelor of Science in Computer Science

• GPA: 3.9/4.0

- Coursework: Object Oriented Programming, Data Structures & Algorithms, Software Architecture, Computer Vision, Discrete Mathematics, Computer Systems and Networks, Introduction to Artificial Intelligence

Expected Graduation: May 2027

Atlanta, GA

Relevant Experience

AI Engineer Intern

IBM

- Build and present **AI-driven demo solutions** for Fortune 500 clients, leveraging IBM **Watson's** agentic AI platform with IBM's **ADK**, and integrating **data/API pipelines** to automate high-value business processes

Starting May 2026

New York, NY

Data Engineer Intern

Cox Communications

- Engineered production vulnerability management automation processing 50K+ records daily, reducing manual compliance reporting from hours to minutes and enabling proactive patch management across 500+ enterprise servers
- Built **Python/Selenium** pipeline extracting security data from **AWS QuickSight** with cookie-based authentication, storing results in **PostgreSQL/Oracle** databases, and generating automated email reports to maintain 90%+ compliance
- Deployed automated ETL workflows on **Red Hat Linux VMs** using cron scheduling, implementing idempotent database operations with **PostgreSQL** and **Oracle Instant Client**, and integrating with **Tableau** for executive dashboards

August 2025 - Present

Atlanta, GA

Software Developer Intern

Gain Servicing - AI-Enhanced Financial Services

- Developed and tested **Salesforce** integration features using **Python**, **Postman**, and **Salesforce APIs**, implementing logic that processes case updates across 900+ active records and prevents data inconsistencies in legal case management workflows
- Created comprehensive QA test scenarios by manipulating **PostgreSQL** data and validating **Salesforce API** synchronization, debugging integration pipelines to ensure accurate data flow between systems handling 50,000+ client and billing records
- Engineered automated data migration pipelines using **Python** and **AWS S3**, transferring 300,000+ files from OneDrive to cloud storage and reducing processing time from 50+ hours to under 8 hours
- Developed **Python CLI** tool to search 500,000+ **AWS S3** litigation records to identify and correct 738 erroneous charge records, cutting investigation time by 83% and preventing over \$10,000 in audit penalties

April 2025 - August 2025

Atlanta, GA

Software Engineer

HyTech - Formula SAE Electric Vehicle Racing Team

- Developed embedded software for electric vehicle systems using **C++** and **Linux**, enabling real-time data collection and telemetry that reduced latency by 22% and supported sub-50ms response times critical for race performance
- Utilized **Git** and **Nix** version control systems for reproducible builds, achieving a 99.5% deployment success rate across 20+ embedded systems and cutting debugging time by 38%
- Built a **C++** system interfacing with **GPS** hardware components, processing location data and detecting lap completions with 95% accuracy, exporting data in **MCAP** file format for real-time analysis

August 2024 - May 2025

Atlanta, GA

Projects

AI Coding Documentation Assistant

- Designed an AI-powered tool using **Python**, **TypeScript**, **MongoDB**, and **OpenAI's API**, reducing documentation time by 60%
- Built **NLP** pipelines with **LangChain** to extract function signatures and generate code comments automatically

March 2025 - April 2025

Responsive Travel Management Web Application (Itinera)

- Architected a mobile-first web application using **React**, **Node.js**, and **TypeScript**, serving 20+ test users
- Developed a **REST API** with a custom caching layer, reducing page load times by 20%, and integrated **Firebase** for real-time sharing

August 2024 - October 2024

Skills

Frameworks & Libraries: Django, Spring Boot, MySQL, Android Studio, Xcode, SQLite, MATLAB, Figma, Adobe XD

Certifications: Oracle Cloud Infrastructure 2025 AI Foundations Associate, AWS Educate Machine Learning