

# ALLISON VU

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## EDUCATION

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### Georgia Institute of Technology

Bachelor's, Computer Science

August 2023 - May 2027

GPA: 3.8

Relevant coursework: Data Structures and Algorithms, Artificial Intelligence, Machine Learning, Computer Systems

## SKILLS

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**Skills:** Java, Python, JavaScript, TypeScript, React.js, Next.js, SpringBoot, Angular, Tailwind CSS, FastAPI, Node.js

**Tools/Databases:** Git, GitHub Actions, PostgreSQL (SQL), MongoDB, Google Cloud Platform, Vercel, Supabase, Figma, DevOps, Jenkins, Apache Kafka, Datadog, Splunk, Dynatrace, SonarQube, Oracle, Microsoft Azure, Kubernetes, AWS, NoSQL, CICD

**Technical Expertise:** Web Development, Full-Stack, Cross-functional, Fintech, REST APIs, Agile, UI/UX Design, LLM

## PROFESSIONAL EXPERIENCE

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### Raymond James Financial

Software Engineering Intern

June 2026 - August 2026

St. Petersburg, FL, USA

- Built a Spring Boot REST microservice for bulk fee-responsibility reallocations on a financial planning and advisory platform used by ~32,000 advisors globally, following full SDLC practices from design through code review and deployment.
- Designed a chunked-batching strategy with independent commit/rollback per transaction, isolating failures to individual chunks and preventing a single record's failure from rolling back the entire batch, streamlining troubleshooting across large-scale transaction batches.
- Developed an Angular Micro UI to monitor ~16,000 daily batch arrangement change jobs, integrating with Spring Boot REST APIs and Oracle to surface incompatible configurations against defined acceptance criteria and automate resolution tracking.

### Georgia Institute of Technology

Lead Teaching Assistant for Software Engineering

August 2024 - December 2025

Atlanta, GA, USA

- Mentored 350+ students through the full software development lifecycle and web application development, covering front-end and back-end fundamentals in HTML, CSS, React, Django, and Firebase to production deployment.
- Facilitated Agile and Scrum practices via Jira and Trello, guiding sprint planning, acceptance criteria definition, and quality assurance through effective communication with project teams.
- Acted as project stakeholder, translating customer needs into actionable requirements and mentoring teams to deliver production-ready web apps.

### Quant Data

Software Engineering Intern

May 2025 - October 2025

New York, NY, USA

- Rebuilt the landing page for a platform serving 2M+ annual unique visitors across mobile and web using React, Next.js, and TypeScript, modernizing the UI and improving load performance and visual consistency.
- Designed a modern landing page in Figma alongside a senior designer, then translated the finalized design to pixel-accurate React components using a future-focused, data-driven approach of mapping over structured data instead of hardcoding.
- Architected the page as reusable, modular components with no hardcoded content, and implemented accessibility best practices including descriptive alt text.

## PROJECTS

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### Sky C2 | Python, TypeScript, FastAPI, xAI Grok API | Overall 1st Place @ HackGT2026 - [Link to project](#)

- An AR app that lets air traffic control (ATC) workers and aviation enthusiasts identify aircraft overhead in real time. Point a phone in a Google Cardboard headset at the sky and the heads-up display labels each plane with its flight, aircraft type, and route, using live public ADS-B flight data.
- Designed and built the app's real-time voice assistant: always-on speech recognition with fuzzy wake-word detection, an LLM service grounded in live ADS-B flight data with location-aware prompting, and neural text-to-speech playback, engineered for sub-3-second spoken answers and layered fallbacks so the demo never went silent.

### TryOn AI | Next.js, React.js, TypeScript, Tailwind CSS, FastAPI - [Link to project](#)

- Built a web app where users upload a selfie and virtually try on outfits, generating the try-on images with Google's Nano Banana image model behind a FastAPI backend.
- Designed the outfit-swapping interface: users browse clothing options and see AI-rendered results update in place, with an animated landing page to introduce the product.