

Michael Yi

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EDUCATION

Georgia Institute of Technology

B.S. in Computer Science

May 2026

Atlanta, GA

- **GPA:** 4.0
- **Concentrations:** Artificial Intelligence & Information Internetworks
- **Courses:** Data Structures & Algorithms, Object-Oriented Programming, Objects & Design, Discrete Math, Linear Algebra

EXPERIENCE

T-Mobile

Incoming Software Engineer Intern

Feb 2024 - Present

Overland Park, KS

- Summer 2024

Ardent Labs

Software Engineer Intern

Jun 2023 - Aug 2023

Irvine, CA

- Spearheaded database migration from RethinkDB to PostgreSQL under GraphQL microservices with 100+ services.
- Wrote SQL and JavaScript migration scripts to inject 400k+ JSON documents pulled from AWS EC2 snapshots.
- Refactored and wrote documentation for 4 repositories and 450k+ lines of code.
- Onboarded incoming intern by providing guidance on best practices, documentation, and DevOps workflows.

MegaEvolution

Software Engineer Intern

Oct 2022 - Jan 2023

Remote

- Reinforced financial infrastructure of Web3 marketing platform through integration of PayPal and Venmo transactions.
- Implemented JavaScript payment authorization algorithm and verified \$2.5k in transactions for 250+ users.

USC INK Research Lab

Research Intern

Jun 2022 - Jul 2022

Los Angeles, CA

- Enhanced commonsense reasoning models coupling NLP and vision to generate captions for images using PyTorch.
- Resolved JSON dataset conversion limitations by using Python to process 700k+ images and 2.9 million text samples.

PROJECTS

1st Place at HackGT Hackathon - [Devpost](#), [Github](#)

Oct 2023

- Created HIPAA-compliant platform that converts physical health records to encrypted electronic records.
- Established horizontal scalability using Spring Boot microservices, Spring Cloud load balancers, and Kubernetes.
- Applied AES-256 encryption to secure healthcare data in decentralized PostgreSQL databases.
- Utilized Tesseract and GPT-3.5 to apply OCR processing on physical records uploaded through Next.js.

Film Blog - [Live Site](#), [Github](#)

Aug 2023 - Present

- Launched a personal blog for publishing film essays and an admin platform using React and Tailwind.
- Integrated AWS S3 bucket with Spring Boot and MySQL to store essays and images, optimized with Redis caching.
- Secured API endpoints with JSON Web Tokens and user roles administered with Spring Security.
- Established Jenkins server with AWS EC2 to automate Maven builds and JUnit unit/integration tests.

health{hacks} Hackathon Platform - [Live Site](#), [Github](#)

Jan - Jun 2023

- Deployed hackathon platform featuring participant registration, team dashboards, and judge scoring forms.
- Served 1k+ participants and oversaw \$5k+ in fee payments through Stripe integration with React/Next.js.
- Managed participant information using GraphQL API built with Node.js, Express, PostgreSQL, MongoDB, and Docker.

SKILLS

- **Languages:** Java, JavaScript, SQL, GraphQL, Python, HTML, CSS, C++
- **Technologies:** Spring, MySQL, PostgreSQL, Redis, MongoDB, Express, React, React Native
- **Misc:** Docker, AWS, Git, Maven, JUnit, Jenkins, Kubernetes, Node.js