Michael Yi

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EDUCATION

Georgia Institute of Technology   **May 2026**
B.S. in Computer Science   *Atlanta, GA*
- **GPA:** 4.0 (Faculty Honors)
- **Concentrations:** Artificial Intelligence & Information Internetworks
- **Courses:** Data Structures & Algorithms, Object-Oriented Programming, Objects & Design, Discrete Math, Linear Algebra

EXPERIENCE

Ardent Labs   **Jun 2023 - Aug 2023**
Software Engineer Intern   *Irvine, CA*
- Spearheaded database migration from RethinkDB to PostgreSQL in a microservices architecture 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   **Oct 2022 - Jan 2023**
Software Engineer Intern   *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   **Jun 2022 - Jul 2022**
Research Intern   *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 X Hackathon - *[Devpost](#)*   **Oct 2023**
- Created HIPAA-compliant platform that converts physical health records to encrypted electronic records.
- Implemented microservices for an API built with Java and Spring Boot and maintained with Docker and Kubernetes.
- Applied AES-256 encryption to secure healthcare data in decentralized PostgreSQL databases.
- Utilized Tesseract and GPT-3.5 to apply OCR and text formatting on images of physical records uploaded in Next.js.

health{hacks} Hackathon Platform - *[joinhealthhacks.com](#)*   **Jan - Jun 2023**
- Deployed online hackathon platform featuring participant registration, team dashboards, and judge scoring forms.
- Served 1k+ participants and oversaw $5k+ in fee payments through Stripe integration with Next.js.
- Managed participant information using GraphQL API built with Node.js, Express, PostgreSQL, MongoDB, and Docker.

Cinema Blog - *[michael-yi.com/blog](#)*   **Aug 2023 - Present**
- Launched a personal blog for publishing film essays and a corresponding admin platform using Next.js and Tailwind.
- Integrated AWS S3 bucket with REST API built with Spring Boot and PostgreSQL to store essay images and content.
- Secured API endpoints with JSON Web Tokens and user roles administered using Spring Security.
- Established Jenkins cluster with AWS EC2 instances to automate Maven builds and JUnit/AssertJ tests.

SKILLS

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

LEADERSHIP

health{hacks}   **Apr 2022 - Jun 2023**
Executive Director
- Organized healthcare hackathons across the Bay Area and Southern California, mobilizing 1k+ participants, 220k+ in social media reach, $60k+ in sponsorship funding, and administering $50k+ in prizes.
- Led a 15-member team and demonstrated effective leadership by leading sponsorship acquisition, marketing efforts, and logistical management to launch Orange County's first healthcare hackathon.