

Michael Yi

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EDUCATION

Georgia Institute of Technology

Atlanta, GA

B.S. in Computer Science | Concentrations in Artificial Intelligence & Information Internetworks

Expected May 2026

- **Coursework:** Object-Oriented Programming, Discrete Math, Linear Algebra, Integral Calculus, Differential Calculus

EXPERIENCE

Ardent Labs

Irvine, CA

Software Engineer Intern

Jun 2023 - Aug 2023

- **Spearheaded strategic overhaul of backend services** by migrating production databases from RethinkDB to PostgreSQL under a microservices architecture consisting of 100+ services and 400k+ data documents.
- **Optimized database migration by 400%** by meticulously developing migration scripts in SQL and JavaScript to convert RethinkDB JSON snapshots into CSV files compatible with PostgreSQL injection.
- **Augmented codebase readability and UX** by refactoring legacy code and writing documentation for API architectures backing a custom learning management system deployed for 1k+ users and 100+ courses.

MegaEvolution

Remote

Software Engineer Intern

Oct 2022 - Jan 2023

- **Reinforced financial infrastructure of Web3 marketing platform** through seamless implementation of credit card and cryptocurrency transactions using PayPal and Venmo integration, now serving 200+ content creators.
- **Applied transaction authorization algorithm** using JavaScript that verifies transaction data for over \$2k in payments.

USC INK Research Lab

Los Angeles, CA

Research Intern

Jun 2022 - Jul 2022

- **Researched and enhanced generative commonsense reasoning AI models** by combining natural language processing and computer vision to generate English sentences when given image and keyword input using Python and PyTorch.
- **Identified and solved data processing limitation** by writing Python algorithms compatible with the VL-T5 model dataset and lab datasets consisting of 700k+ images and 2.9 million text samples.

PROJECTS

ScribeAI

Oct 2023

- Created HIPAA-compliant, decentralized platform that uses AI to convert physical health records to electronic health records. 1st Place @ HackGT X (Tech: Java, TypeScript, Spring, PostgreSQL, Docker, Kubernetes, Next.js, Tesseract, OpenAI).

AutoBill: Invoicing Solutions

Jun - Sep 2023

- Developed invoice generation software using a containerized microservices environment that interprets company sales data. Freelance work for a logistics company (Tech: Java, TypeScript, Spring, PostgreSQL, Docker, Kubernetes, Next.js, AWS).

health{hacks} Website

Jan - Jun 2023

- Launched hackathon platform with participant registration, team dashboards, and fee payment with Stripe integration (Tech: TypeScript, Next.js, PostgreSQL, MongoDB, Express, GraphQL, Docker, DigitalOcean).

SKILLS

- **Languages:** Java, TypeScript, JavaScript, HTML, CSS, Python, C++, SQL
- **Technologies:** Spring, PostgreSQL, Next.js, React, React Native, Node.js, Express, GraphQL, MongoDB
- **Misc:** Docker, Kubernetes, AWS, CI/CD, Agile, Git, Jira, Maven

LEADERSHIP & EXTRACURRICULARS

Fintech @ Georgia Tech

Atlanta, GA

Researcher

Aug 2023 - Present

- **Engaged in ongoing research and biweekly publication of research articles** focused on a diverse range of financial services such as money transfers, asset management, neobanks, B2B solutions, and API-driven financial infrastructures.

health{hacks}

Stanford, CA

Executive Director

Apr 2022 - Jun 2023

- **Mobilized 1k+ participants, amassed 220k+ in social media reach, acquired \$60k+ in corporate sponsorships, and administered \$50k+ in prizes** by organizing healthcare hackathons across Stanford University and Orange County.
- **Led a 15-member team and demonstrated effective leadership** by spearheading sponsorship acquisition, marketing efforts, and logistical management to launch Orange County's first healthcare hackathon.

HONORS

- **1st Place @ HackGT X:** Best overall project out of ~1.5k participants. Most prestigious hackathon in the South. **Oct 2023**
- **D.E. Shaw & Co. CONNECT Fellow:** Selected to attend prestigious, fully-sponsored networking event in NYC. **Sep 2023**