

Michael Yi

Atlanta, GA · michaelyi@gatech.edu · 949.564.2424 · michael-yi.com · [GitHub](#) · [LinkedIn](#)

EDUCATION

Georgia Institute of Technology

Atlanta, GA

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

2023 - 2026

- **Relevant Coursework:** Object-Oriented Programming, Discrete Math, Linear Algebra, Integral Calculus, Differential Calculus, Intro to Computing

EXPERIENCE

Ardent Labs

Irvine, CA

Software Engineer Intern

Jun 2023 - Aug 2023

- **Augmented codebase readability and optimized UX** by refactoring legacy code and writing documentation for API architectures and student/instructor portals deployed for 1k+ users and 100+ courses.
- **Restructured backend services** to efficiently migrate production databases from RethinkDB to PostgreSQL.

MegaEvolution

Remote

Software Engineer Intern

Oct 2022 - Jan 2023

- **Reinforced backend financial services** of Web3 marketing platform by incorporating credit card and cryptocurrency transactions with PayPal and Venmo integration using JavaScript and Node.js.
- **Pioneered transaction authorization algorithm** that verifies transaction data serving 200+ content creators.

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 coherent 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.

EXTRACURRICULARS

health{hacks}

Stanford, CA

Executive Director & Software Engineer

Apr 2022 - Jun 2023

- **Amassed 1k+ participants, 220k+ in social media reach, \$60k+ in corporate sponsorships, and distributed \$50k+ in prizes** by organizing healthcare hackathons @ Stanford University.
- **Expanded organization engineering and brand** by launching joinhealthhacks.com using React, PostgreSQL, MongoDB, Express, GraphQL.
- **Optimized response time by 60% and oversaw \$1k+ in transactions** by implementing user authentication, participant dashboards, Stripe integration within health{hacks} website.

PROJECTS

AutoBill: Invoicing Solutions Launched invoice generation software as freelance work for logistics corporation, streamlining feedback time by 600%. Constructed API with Spring Boot, JPA/Hibernate, PostgreSQL paired with React to interpret company logistics data.

HealthRelay Created HIPAA-compliant radiology informatics software using React, PostgreSQL, Express, GraphQL that automates medical order transmission between radiologists and ordering physicians; reduced order transmission time by 20% as reflected by beta-testing with Kaiser Permanente radiologists.

RetinaOCT Developed AI model that detects retinal abnormalities from retinal imaging using CNN's built with Python and Tensorflow. Achieved 90% model accuracy and integrated model with ophthalmologist dashboards using React, PostgreSQL, Express, GraphQL.

SKILLS

Programming Languages: Java, JavaScript, SQL, C++, Python, HTML/CSS

Technologies: Spring Boot, React, JPA/Hibernate, PostgreSQL, MongoDB, Node.js, Express, GraphQL, Tensorflow

Computer: IntelliJ, VS Code, Jira, Docker, Figma | **Misc:** Agile, Git, REST APIs, Machine Learning