Michael Yi

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EDUCATION

Georgia Institute of Technology   **Atlanta, GA**
B.S. in Computer Science | Concentrations in Artificial Intelligence & Information Internetworks   *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, JavaScript, Spring, PostgreSQL, Docker, Kubernetes, React, 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, JavaScript, Spring, PostgreSQL, Docker, Kubernetes, React, AWS)*.

health{hacks} Website   **Jan - Jun 2023**
- Launched hackathon platform with participant registration, team dashboards, and fee payment with Stripe integration *(Tech: JavaScript, React, PostgreSQL, MongoDB, Express, GraphQL, Docker, DigitalOcean)*.

SKILLS

- **Languages:**   Java, JavaScript, HTML, CSS, Python, C++, SQL
- **Technologies:**   Spring, React, PostgreSQL, Node.js, Express, GraphQL, MongoDB
- **Misc:**   Docker, Kubernetes, AWS, 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.   **Sept 2023**