

Michael Yi

+1(949) 564-2424 ♦ Atlanta, GA

michaelyi@gatech.edu ♦ [linkedin.com/in/michaelhyi](https://www.linkedin.com/in/michaelhyi) ♦ www.michael-yi.com

EDUCATION

Georgia Institute of Technology

Bachelor of Science in Computer Science

2023 - 2027

Portola High School

High School Diploma | GPA: 4.44 | Summa Cum Laude

2019 - 2023

- **SAT:** 1530 (740 RW | 790 M)
- **Relevant Coursework:** AP Calculus BC (5), AP Computer Science A (5), AP Computer Science Principles (5), AP Physics 1 (4), AP Physics C: Mechanics, AP Physics C: Electricity & Magnetism, AP Statistics
- **Data Structures/Algorithms & Competitive Programming:** USA Computing Olympiad Silver, American Computer Science League Int'l Finalist

EXPERIENCE

health{hacks}

Executive Director

Apr 2022 - Jun 2023

Stanford, CA

- **Amassed 1k+ participants, 220k+ in social media reach, raised \$60k+ in corporate sponsorships, distributed \$50k+ in prizes** by organizing 4 healthcare hackathons at Stanford University.
- **Expanded organization engineering & brand** by launching health{hacks} website, joinhealthhacks.com, using React.js, MongoDB, Prisma, PostgreSQL, & GraphQL.
- **Implemented user authentication, custom participant dashbaords, and Stripe fee payment** using NextAuth & Stripe integration.
- **Prototyped and implemented UI/UX & front-end designs** using TailwindCSS, Figma, and Adobe Illustrator.

MegaEvolution

Software Engineering Intern

Oct 2022 - Jan 2023

St. Louis, MO

- **Developed back-end financial transaction functions of online marketing platform** using PayPal/Venmo integration with React.js & cryptocurrency transactions.
- **Wrote payment authorization algorithm** & constructed backend server w/Node.js & MySQL.

USC Intelligence and Knowledge Discovery Research Lab

Research Intern

Jun 2022 - Jul 2022

Los Angeles, CA

- **Researched & enhanced generative commonsense reasoning AI models** by combining natural language processing & computer vision to create coherent English sentences when given image & keyword input using Python & PyTorch.
- **Identified data processing limitation & wrote solution algorithm** compatible w/20 million data samples.

PROJECTS

HealthRelay Created HIPAA-compliant radiology informatics mobile application using React Native, PostgreSQL, & GraphQL that efficiently transmits medical orders between radiologists & ordering physicians.

RetinaOCT Researched & developed AI model that detects retinal abnormalities from optical coherence tomography imaging trained using convolutional neural networks built on Python & Tensorflow. Achieved 90% model accuracy & implemented model into mobile application using React Native, Tensorflow.js, PostgreSQL, & GraphQL.

CarCam Built mobile application integrating advanced dashcam features & technology at a cheaper cost w/React Native. Developed algorithm for implementing speedometer feature of vehicle using geolocational coordinates of mobile device.

SKILLS

Programming Languages

JavaScript, Python, Java, C++, SQL, HTML, CSS

Frameworks and Technologies

React.js, React Native, MongoDB, Tensorflow, PyTorch, PostgreSQL, GraphQL

Computer

Visual Studio Code, Vim, Figma, Adobe Illustrator

Skills

Full-Stack Software Engineering, Machine Learning, Project Management

Languages

English, Korean

Interests

Classical Music, Violin, Guitar, Cinema, US History, Physics, Baseball