Michael Yi

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Awards

- **2022 Blue Ocean Entrepreneurship Competition Top 25 Finalist**
  - Top 25 out of ~2,000 participants and ~600 submissions
- **2021 Congressional App Challenge CA45 District 3rd Place Finalist**
  - Top 3 amongst 38 district submissions
- **2020 USACO Silver Qualifier**
  - Score: 846/1000
- **2022 ACSL Finals Qualifier**
  - 2022 ACSL Season Score: 35/40
- **2022 Unlock Hacks "Best Environmental Hack"**
  - Top Prize amongst ~175 participants
- **2022 Coding Your Future Hackathon 2nd Place**
  - Top 2 amongst ~140 participants
- **2022 PennApps & Wharton Undergraduate Healthcare Club Health Hacks "Best Access to Healthcare Hack"**
- **2022 AP Scholar with Distinction**

Skills & Interests

- Web & Mobile Development
- UI/UX Design
- Deep Learning
- Leadership
- Collaboration
- Entrepreneurship
- Leadership
- Collaboration
- Violin
- Guitar
- Cinema

Education

High School Diploma   August 2019 - June 2023

Portola High School | Irvine, CA

- GPA: 3.92 Unweighted, 4.30 Weighted
- SAT: 1530 (740 English, 790 Math)
- AP Calculus BC (5), AP United States History (5), AP Human Geography (5), AP Computer Science A (5), AP Computer Science Principles (5), AP Physics 1 (4)

Activites/Experience

Co-Founder   January 2022 - Present

HealthRelay | Irvine, CA

- Developing software that streamlines communication between radiologists and ordering physicians.
- Implemented data encryption algorithms to ensure security of sensitive electronic health records.
- Currently being privately beta tested by radiologists @ Kaiser Permenante.

Research Intern   June 2022 - Present

USC INK Lab | University of Southern California

- Interned under Prof. Xiang Ren through the USC SHINE program.
- Applied natural language processing and computer vision to enhance generative commonsense reasoning.
- Developed AI model that generates coherent sentences given their respective keywords and a corresponding image.

Event & Sponsorship Director   May 2022 - Present

health{hacks} | Stanford University

- Organized in-person healthcare hackathon @ The Hub in Stanford Research Park with ~150 participants.
- Cold-emailed 500+ companies, startups, and VC firms for sponsors.
- Acquired ~$26,000 in monetary sponsorship funds for the event.

Founder & CEO   November 2022 - Present

RetinaOCT | Irvine, CA

- Constructed a convolutional neural network that conducts deep-learning based optical coherence tomography analysis.
- Achieved 92% accuracy with a 97.5% validation accuracy in diagnosing retinal damage using a dataset consisting of nearly 100,000 OCT scans.
- Led a team of 10 students in developing a mobile application that implements artificial intelligence to improve diagnosis of retinal disease and optimize patient data access through weekly Zoom conferences.
- Developing a research paper to present work in Sigma Xi's 2022 IFoRE research conference.

Volunteer Umpire   August 2019 - Present

Northwood Little League | Irvine, CA

- Provided impartial calls and ensured fairness in baseball games for kids.
- Served as both plate and base umpire for players of ages ranging 8-13.
- Nominated to be playoff umpire due to high experience.
- Recruited 6+ volunteers to the NWLL umpiring crew.

Violinist   August 2019 - Present

Portola HS Orchestra | Irvine, CA

- Served as concertmaster in String Orchestra, principal second violinist in Concert Orchestra, and second violinist in Symphonic Orchestra.
- Independently organized sectionals during school office hours to interact and work with section-mates as section leader.