

ISAAC NGUYEN

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EDUCATION

University of California, Irvine

Expected Graduation June 2027

B.S. of Computer Science

Irvine, CA

GPA: 4.0/4.0

- Relevant Coursework: Discrete Mathematics, Boolean Algebra & Logic, Python Programming Series

Palos Verdes Peninsula High School

September 2019 - June 2023

Cumulative GPA: 4.0/4.0, 4.886/5.00

Rancho Palos Verdes, CA

- Graduated Valedictorian, Awarded Mu Alpha Theta Scholarship
- Activities: FRC Robotics, TSA TEAMS Captain, Science Bowl Main Team, Honor Societies

TECHNICAL SKILLS

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

Technologies/Frameworks: Node.js, React, Express.js, Flask, RESTful API, Firebase, Git, VS Code

PROJECTS

Faster Fashion | *JavaScript, Python, Flask, PostgreSQL, HTML/CSS*

January 2024

- Won 1st place at IrvineHacks 2024 (340+ participants) in Google Cloud API category
- Utilized Google Cloud Vision AI to detect articles of clothing and their attributes in inputted image
- Developed algorithm to compare clothing against clothing in web scraped clothing database
- Presented user with accessible links and descriptions of similar clothes found online

Moove | *JavaScript, Node.js, Express.js, React, Firebase, RESTful API*

May 2024

- Won 1st place at VenusHacks 2024 (170+ participants) in Melissa API/Data Sets category
- Utilized Melissa PI for property ownership via SSN/name verification and name/property deed verification
- Spearheaded development of storage of property verification keys and addresses via Firebase and Express.js/Node.js backend
- Designed user-friendly landing page and question query pages using React

EXPERIENCE

IEEE (Institute of Electronic and Electrical Engineers)

September 2023 - Present

OPS Program

Irvine, CA

- Selected for a year-long embedded systems course at the University of California, Irvine, exploring integrated circuits, microcontrollers, and hardware communication
- Applied C++ in conjunction with Arduino to enhance proficiency in embedded programming
- Engaged in project-based learning with eight individual projects and a final capstone – a remote-controlled rover

South Bay Math Circle

March 2020 - June 2023

Curriculum Board Member

Rancho Palos Verdes, CA

- Guided and inspired over 200 students (grades 4-8) in competition-based mathematics
- Conducted weekly educational sessions, delivering engaging lectures to student groups
- Formulated and curated a comprehensive curriculum tailored to optimize student learning experiences
- Orchestrated and established a secure environment for math tournaments and competitions

HONORS & AWARDS

Letter of Commendation

September 2022

- Issued by National Merit Scholarship Program
- Awarded for scoring in the top 2% of PSAT scorers nationwide (~34,000/1,500,000)