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: ReactJS, Node.js, Express.js, Flask, RESTful API, Firebase, Git, VS Code

PROJECTS

Faster Fashion | GitHub | *Flask, JavaScript, Python, PostgreSQL, HTML/CSS* **January 2024**

- Won **Best Use of Google Cloud API** at IrvineHacks 2024 (340+ participants); team of 3
- Implemented Google Cloud Vision AI into **full-stack application** that detects articles of clothing in inputted images and suggests similar pieces of clothing found online
- Developed algorithm to compare clothing against clothing in web scraped database of **500+ articles** of clothing

Moove | **GitHub** | *ReactJS, Node.js, Express.js, Firebase, RESTful API* **May 2024**

- Won **Best Use of Melissa API/Data Sets** at VenusHacks 2024 (170+ participants); team of 4
- Constructed web app tailored towards helping college students move out via property ownership verification and financial advice
- 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 **ReactJS**

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 **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)