

ISAAC NGUYEN

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EDUCATION

University of California, Irvine

Expected Graduation: June 2027

Bachelor of Science in Computer Science

GPA: 4.0

- Relevant Coursework: Data Structures & Algorithms, Discrete Mathematics, Probability & Statistics for Computer Science, Python Programming, C++ Programming, Linear Algebra, Computer Organization
- Awards: Dean's Honors List, PBK Book Award

EXPERIENCE

Atoma Media

July 2024 - Present

Software Engineering Intern - Remote

Los Angeles, CA

- Spearheaded development of search history function that utilized Prisma to communicate with Node.js backend and **PostgreSQL** database, displaying via ReactJS and **Next.js** frontend
- Deployed **AWS** Lambda function that scrapes data from articles, aggregating them in an S3 bucket
- Managed payment functionality for users' subscriptions using the Stripe API
- Designed high-fidelity landing page from 5+ Figma design mockups

IEEE (Institute of Electronic and Electrical Engineers)

September 2023 - June 2024

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

- Mentored **200+** students (grades 4-8) in competition-based mathematics
- Conducted weekly educational sessions, delivering engaging lectures to student groups
- Formulated a comprehensive curriculum tailored to optimize student learning experiences

PROJECTS

Faster Fashion | [GitHub](#) | Flask, JavaScript, Python, PostgreSQL, HTML/CSS

January 2024

- Won Best Use of **Google Cloud** API at IrvineHacks 2024 (340+ participants) with 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 in online stores like H&M
- Developed Python algorithm to compare clothing in web scraped database of **500+** articles of clothing
- Formulated detailed pitch that was presented to **8+** judges, helping the product receive support to win

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) with team of 4
- Constructed full-stack application tailored towards helping college students move out via property ownership verification to prevent fraud when renting a new property and advice to manage finances
- Developed 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**

TECHNICAL SKILLS

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

Developer Tools: Git, VS Code, Bash, Eclipse

Technologies/Frameworks: ReactJS, Node.js, Express.js, Next.js, Flask, PostgreSQL, Firebase