

ISAAC NGUYEN

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EDUCATION

University of California, Irvine

Expected Graduation: June 2026

Bachelor of Science in Computer Science

GPA: 4.0

- Relevant Coursework: Data Structures & Algorithms, Probability & Statistics, Computer Organization

EXPERIENCE

Software Engineering Intern

July 2024 - Present

Atoma Media

Remote

- Shipped **20+ features** for finance startup that uses AI to gather information about financial articles
- Spearheaded development of search history feature that utilized Prisma to communicate with Express.js backend and **PostgreSQL** database, displaying via **shadcn** and **Next.js** frontend
- Accomplished **50% increase** in article scraping reliability by refactoring web scraping JavaScript script
- Implemented subscription payment functionality by setting up backend endpoints integrated with Stripe API

Full Stack Developer

October 2024 - Present

Commit the Change

Irvine, CA

- Produced end-to-end case management tool to improve efficiency of aiding homeless women/children for nonprofit organization called Colette's Children Home, collaborating with team of **16 developers**
- Collaborated with cross-functional teams in weekly **Agile sprints** in Scrum environment to deliver incremental product updates, ensuring alignment with stakeholders
- Designed SQL tables to store feedback survey data, developing backend endpoints to efficiently handle data collection, storage, and retrieval, enabling streamlined feedback from users

Software Engineer

November 2024 - Present

ICS Student Council Projects Committee

Irvine, CA

- Contributed to **open source** UCI schedule planner named AntAlmanac serving **8,000+** monthly users
- Collaborated in the CI/CD pipeline to ensure seamless deployments and participated in peer **code reviews**
- Led team of **6 developers** to create robust, automated email notification system that leveraged tRPC procedures, Amazon Cloudwatch Events, an **AWS Lambda Function**, and Amazon Simple Email Service

Undergraduate Student Researcher

October 2024 - Present

Digital Learning Lab

Irvine, CA

- Leveraged RAG and other machine learning fine-tuning processes on Papyrus AI, an instructional LLM used to improve the literacy and writing for K-12 students through individual feedback via **GPT-4's** API

PROJECTS

Faster Fashion | *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

Moove | *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 helping college students move out via property ownership verification
- Implemented storage and retrieval of property verification keys via **Firebase** and RESTful API

TECHNICAL SKILLS

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

Developer Tools: Git, VS Code, Bash, Eclipse, VS Code Live Share, pgAdmin

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