

# ISAAC NGUYEN

310-707-7440 • [isaachugh33@gmail.com](mailto:isaachugh33@gmail.com) • [linkedin.com/in/isaacnguyen33](https://www.linkedin.com/in/isaacnguyen33) • [github.com/IsaacNguyen](https://github.com/IsaacNguyen)

## 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

Atoma Media

July 2024 - Present

Software Engineering Intern - Remote

Los Angeles, CA

- 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

Commit the Change

October 2024 - Present

Full-Stack Developer

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

ICS Student Council Projects Committee

November 2024 - Present

Software Developer

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

Digital Learning Lab

October 2024 - Present

Undergraduate Student Researcher

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