# ETHAN VO

Irvine, CA — 714-322-1445 — ekvo@uci.edu

linkedin.com/in/ethnvo — ethanvo.dev — github.com/ethnvo

## Education

**University of California, Irvine** — **Expected June 2027**

*B.S. in Software Engineering & Business Information Management* — *Irvine, CA*

### Relevant Coursework

- Programming in C++
- Python Programming & Databases
- Linear Algebra
- Data Structures and Algorithms
- Discrete Structures
- Probability in R
- Computer Architecture
- Informatics

## Technical Skills

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

**Frameworks/Libraries:** React.js, Node.js, Express.js, Google Test, Mongoose, Flutter, Flask, AWS SDKs, OpenAI/Gemini, Django REST

**Tools/Other:** GitHub, Firebase, Postman, Microsoft Office, Slack, Figma

## Experience

**Software Engineering Fellow** — **June 2024 – Sept 2024**

*Headstarter AI (Remote)*

– Collaborated in agile groups of 4 Fellows to complete weekly labs using **Gemini/OpenAI** SDKs, **React**, **Express.js**, and **Next.js**, reinforcing full-stack development skills.

– Built interactive UI components using **React** and **Next.js**, gaining experience in front-end frameworks and component-based design.

– Received personalized 1-on-1 resume and career guidance, resulting in a tailored professional profile and strategic job search plan.

– Utilized **Git** and collaborative workflows during team labs to reinforce industry-standard version control practices.

## Projects

**auther. – Women-Led Research Search Engine** — **May 2025**

– Launched academic search tool indexing **1,000+** papers via **OpenAlex** and **Semantic Scholar**.

– Achieved **95%+** gender tagging accuracy using **Genderize.io**, **ORCID**, and **Wikidata**.

**AWSpeak – AI Interview Prep Platform (React (Next.js), Flask, AWS)** — **May 2025**

– Developed a full-stack web app for AI-driven mock interviews using **React (Next.js)**, **Flask**, and **AWS** services including **Bedrock**, **Polly**, and **Transcribe**.

– Achieved **99.2%** transcription accuracy with AWS Transcribe and custom post-processing.

**Plus1 – Student Event Planning App (Flutter, Firebase)** — **April 2025**

– Built a mobile app enabling students to instantly create or join spontaneous events using **Flutter** and **Firebase**.

– Tested sign-in authentication with **20+ users** using **Google Auth**, ensuring secure sessions across devices.

– Optimized Firestore for **100+ simultaneous event submissions**, allowing smooth multi-user real-time updates.

## Hackathons & Activities

**1st Place – Best Women Empowerment, VenusHacks** — **May 2025**

*Fullstack Engineer & System Architect, auther.* — *Irvine, CA*

– Earned 1st Place for building a socially impactful platform promoting women-led academia.

– Recognized by UCI's Department of Computer Science for addressing gender bias through verified research metadata.

**Top 5 Finalist – AWS CloudHacks** — **May 2025**

*Backend Developer & System Architect, AWSpeak* — *Irvine, CA*

– Recognized as Top 5 for delivering an AI interview platform that simulated real-world pressure through voice and personalized feedback.

**Competitor – LAHacks** — **April 2025**

*Fullstack Engineer, Plus1* — *Los Angeles, CA*

– Developed Flutter + Firebase app with optimized Firestore for **100+** users and instant event creation.

**Competitor – BitHacks** — **April 2025**

*Embedded Systems Engineer* — *Irvine, CA*

– Engineered embedded systems prototype using **ESP32** to communicate with C/C++ server over serial.