

# ETHAN VO

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## Education

University of California, Irvine

Expected June 2027

*B.S. in Software Engineering & Business Information Management*

*Irvine, CA*

## Relevant Coursework

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

## 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, Docker

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

## Projects

**author. – Women-Led Research Search Engine (React [Next.js], Django)**

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, author.*

*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.