

Ethan Shih

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EDUCATION

University of California, Irvine

2025 – present

Computer Science and Engineering, B.S.

Irvine, CA

- GPA: 4.00
- Coursework: ICS H32 Python Programming and Libraries (Accelerated), ICS 33 Intermediate Programming

Glen A. Wilson High School

2021 – 2025

High School Diploma

Hacienda Heights, CA

- GPA: 3.98 unweighted | 4.57 weighted
- Coursework: AP CSP (5), AP CSA (5), AP Calculus AB (5), AP Calculus BC (5), AP Physics 1 (5), AP Physics 2 (5), AP Chemistry (5), AP Physics C Mechanics (4), AP Physics C E&M (5)

Citrus College

Summer 2024

Dual-Enrollment Coursework

Glendora, CA

- Coursework: CS112 Introduction to Python, CS225 Object-Oriented Programming (C++)

EXPERIENCE

Web Development Intern

May 2024 – August 2024

ClassChat

- Developed responsive web pages using HTML, CSS, and JavaScript.
- Collaborated with project manager and CEO through weekly progress reports and clear project communication.
- Converted Figma prototypes into functional, deployable websites in coordination with designers.

PROJECTS

LaundrySymbols | *Swift, Objective-C*

Spring 2025

- Developed a full-stack iOS app that detects and interprets laundry care symbols, providing users with instant, easy-to-understand instructions from clothing tags.
- Trained a custom Roboflow object detection model by labeling and refining over 1,000 images, improving symbol recognition accuracy and model performance.
- Integrated AI inference with a clean and intuitive user interface for seamless real-time detection.

EXTRACURRICULAR ACTIVITIES

Audio-Visual Engineer

2017 – present

First Evangelical Church of San Gabriel Valley

- Maintained \$50,000+ in AV equipment, ensuring consistent performance and event reliability.
- Directed weekly productions, delivering high-quality sound, visuals, and livestream experiences.
- Trained and supervised volunteer AV staff, improving team efficiency and production quality.
- Optimized workflows by self-learning audio engineering fundamentals to troubleshoot issues faster.

Vice Captain and Cabinet Officer

2021 – 2025

Science Olympiad

- Specialized in electrical, structural, aerospace, and physics events.
- Achieved 3rd place out of 150+ teams in SoCal, the school's highest-ever State placement.
- Earned 100+ individual medals at Regionals, State, and Invitationals; 4x 1st place Regionals and Top 5 State.
- Mentored middle school students in Helicopters and Towers events, leading to their first State qualification.
- Led STEM exploration camps, engaging new members in hands-on learning and competition preparation.
- Guided and supported new team members, fostering collaboration, skill development, and long-term team success.

TECHNICAL SKILLS

Languages: Python, Java, HTML/CSS, Javascript, Typescript, C++, Swift

Frameworks: Next.js, React, Tailwind CSS, Node.js

Developer Tools: Git, Github, VS Code, PyCharm