

Ethan Shih

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EDUCATION

University of California, Irvine <i>Computer Science and Engineering, B.S.</i>	2025 – present Irvine, CA
• GPA: 4.00 • Coursework: ICS H32 Python Programming and Libraries (Accelerated), ICS 33 Intermediate Programming	
Glen A. Wilson High School <i>High School Diploma</i>	2021 – 2025 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 <i>Dual-Enrollment Coursework</i>	Summer 2024 Glendora, CA
• Coursework: CS112 Introduction to Python, CS225 Object-Oriented Programming (C++)	

EXPERIENCE

Web Development Intern <i>ClassChat</i>	May 2024 – August 2024
• 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 <i>Swift, Objective-C</i>	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 <i>First Evangelical Church of San Gabriel Valley</i>	2017 – present
• 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 <i>Science Olympiad</i>	2021 – 2025
• 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