

Kevin Chang

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Education

University of California, Los Angeles (UCLA)

Expected grad: June 2029

Candidate for B.S. in Electrical Engineering | GPA: 4.0/4.0 | Dean's Honor List fall quarter 2025

Selected as 1 of 50 students from the incoming cohort for the New Bruin Leadership Academy.

Homestead High School - *Valedictorian* | GPA: 4.0/4.0 | Dual Enrolled at De Anza College

Distinctions

Undercity Github x Hack Club Hackathon - 1st Place [*International*]

2025

Won 1st out of 60 teams/160 participants at the world's largest teen hardware hackathon hosted by Github & Hack Club. The 160 participants of the [Undercity hackathon](#) at Github HQ were invited from across the world out of 5,564 members that participated in [Highway to Undercity](#) based on project submissions. ([Project v1](#), [Project v2](#))

Chinese American Citizens Alliance National Essay Contest - Top 10 [*National*]

2025

Presidential Volunteer Service Award Teen Gold [*National*]

2022

Scholastic Art and Writing Awards - Gold Key + HM [*Regional*]

2023/2024

USA Biology Olympiad Certificate of Merit [*National*]

2024

Projects

Portfolio: <https://www.changchang.me/portfolio.html>

Tactile Browser - UCLA IEEE Student Project Initiative (Ongoing)

Developing a novel interactive tactile display that enables blind users to navigate web content in 2 dimensions, with a projected cost 9× lower than the closest competitor. The device consists of a 16×10 array of bistable solenoids driving key switches, forming a reconfigurable tactile surface that encodes HTML elements as specific keycap configurations.

Automatic Toilet Paper Folder - Device that dispenses and folds toilet paper using 2 NEMA stepper motors.

Bentopad - Custom macropad with rotary keyswitches & encoders designed with a bento box aesthetic.

PCB Business Cards - LED-embedded PCB cards that open a personal website via an NFC chip.

Brain Computer Interface - Records and amplifies alpha brainwaves from EEG signals.

Urban Heat Mitigation - Optimizing the placement of greenspace and reflective surfaces to reduce urban heat islands.

Electrocardiogram - Created a portable EKG device with an LCD display alongside 2 others for ENGR 1EC.

Experience

UCLA Emergence of Communication Lab - PCB Design Intern

2026

Design PCBs for wearable infant sensing device prototypes that collect audiovisual data to study the emergence of speech and communication.

UCSB SRA - Researcher

2023

Participated in Summer Research Academies classes & gained lab experience in neuroscience.

Co-authored paper: "The Role of the Hippocampus in Context-dependent Decision Making & Continual Learning."

International Youth Neuroscience Association - U.S. Western Lead

2023 - 2025

Oversaw 28 chapters, coordinated events, created educational labs, & supported chapter growth. Led Glendora High (USA011) to become the top chapter nationwide.

Inobis Academy - Co-Founder / Tutor

2022 - 2025

Co-founded 501(c)(3) nonprofit providing free STEM tutoring. Organized over 500 sessions tutoring Algebra 2, Trig, & AP Physics 1. Established office hours. Developed intuitive methods by teaching subjects like physics through an historical lens.

National Art Honor Society - President / Activities Director

2023 - 2025

Biology Club - Vice President

2023 - 2025

Programming Club - Workshops Director

2024 - 2025

Hack the Lab Hackathon - Executive Officer / Treasurer

2023 - 2024

Skills

Hardware: PCB Design (Kicad, EasyEDA), CAD (Fusion360, Onshape), Embedded Systems (C/C++, I2C, SPI), Power Management | Programming: Python, Java, R, HTML/CSS, JavaScript | Design: Figma, Canva, Fine Arts