Xinle (Eric) Song

• erics311@ucla.edu • linkedin.com/in/xinle-song • (310)869-9560 • github.com/EricSongXinLe

EDUCATION

University of California, Los Angeles — Expected 06/2027
BS, Computer Engineering

- Recipient of the John Richard Leffler Scholarship
- Relevant Coursework: Introduction to Computer Science I, Integration and Infinite Series, Electrical and Computer Engineering Undergraduate Seminar

Shanghai YK Pao School — 08/2020 – 05/2023
IB Bilingual Diploma

SKILLS

- Computer: C++, JavaScript, Python, PHP, C, MATLAB, Web Design, Photoshop, Premiere Pro
- Business: Product Management, Marketing, Finance

EXPERIENCE

Member: Institute of Electrical and Electronics Engineers Club, Los Angeles, California — 09/2023 – Present

- Member of a 3-people Micromouse Project team to create a maze-solving mouse robot.
- Research components for mouse at SnapEDA and design schematic circuit board design with Autodesk Fusion 360.
- Cooperate with teammates and solder and build components of mouse onto PCB board.
- Construct mouse program in C using STM32CubeIDE.

Full-Stack Developer: Chat App, Haddee, Online — 07/2023 – Present

- Led a team to create a real-time Chat App using JavaScript.
- Lead the design the Front-end with React Native.
- Designed the structure of the real time database and implemented user authentication using Google Firebase.
- Co-review pull-requests and merge conflicts to accelerate concurrent development.

Teaching Assistant: UPenn AI Curiosity Summer Camp, Beacon Education, Online — 08/2021

- Prepare and present Power Point presentations to teach Python & OpenCV for a 20-people online class.
- Mentor group discussions to led 3 mentees to complete the Hieroglyph Classification Project.
- Instruct mentees to train ResNet-50 using CUDA and deploying the trained model on NVIDIA Jetson Dev Kit.

Researcher: Active Noise Control in Ventilation Ducts, Yingcai Program — 01/2021 – 05/2022

- Apply Feedback Control System in current ANC Solutions to improve its performance.
- Modelled the performance of the Feed-back Least Mean Square Algorithm in MATLAB and Simulink.
- Add additional Error Signal Microphone to improve ANC performance by 106% under 250Hz.
- Present at multiple rounds of viva voce and was selected as "Honor Student" and Regeneron ISEF 2022 Finalist.

LEADERSHIP

Community Representative: Rieber Terrace Residence Hall — 09/2023 – Present

- Attend weekly meetings to represent the floor to discuss possible community programs.
- Oversee residence hall fund allocation by voting.

President: Computer Science Club — 10/2021 – 06/2023

- Revived the club from 1 member to 30+ members in less than 2 years.
- Lead daily Introduction to Programming seminars and CodeWars Competition, with 30+ student participants.
- Cooperated with club members to create YKPS ArtPlace website that had 300+ participants.
- Organize whole-school Phishing drill and co-designed phishing website, raise awareness of cybersecurity among 600+ students.

HONORS

Regeneron ISEF Finalist — 05/2022
HiMCM Outstanding Award (One of the 8 teams selected from 705 teams) — 01/2022
YKPao Principal's Award (Grade 10 & 11 every semester) — 01, 06/2021 and 01, 06/2022