

# Elise Ji

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## EDUCATION

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UNIVERSITY OF CALIFORNIA IRVINE

*Bachelor of Science, Major in Computer Science*

June 2026

- Regent Scholar | Dean's Honor List [2022-2023] | GPA: 3.7

## PERSONAL PROJECTS

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**Campus Nest** | *Firebase, Firestore, React, HTML/CSS*

May 2024

- Formulated a software program for university students searching for housing in order to target the **problem of housing crisis**; Able to filter and find housing, get through paperwork, and find roommates through one app.
- Developed backend algorithm with **Firebase** and **Firebase storage** to store private user information, photos and frontend with **React, CSS, Tailwind CSS**.

**Health Pack** | *Google Cloud, Firebase, Firestore, React, HTML/CSS, Vue.js*

May 2024

- Designed and developed a "health passport" software web-app to empower people with information about their bodies in order to reduce misdiagnoses and to increase patient safety.
- Coded the frontend and backend utilizing **Firestore** and **React** to ensure real-time data collection of daily symptoms, health history, and medication uses.
- Deployed medication and medical appointment reminders via **Python** and **Google Calendar API** to have a versatile, all in one user experience.

**Clean Paws Recycling Bin** | *Robolow, Python, CV2 Module, Raspberry Pi*

January 2024

- Developed the software for a recycling bin that takes live images from a camera to detect if image is paper with machine learning; takes output of the dataset predictions to move motors of rail with Raspberry Pi and breadboards to sort recyclable.
- Compiled a dataset and trained a machine learning model from **Roboflow** to detect live-footage images from camera to output closest prediction by employing **Python, Cv2 module, Raspberry Pi**.

## EXPERIENCE

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ARTIFICIAL INTELLIGENCE AT UCI

Irvine, CA

**Webmaster Board**

June 2024 - Current

- Developed and maintained the AI at UCI's main website containing informational content, updated member profiles, and showcased projects members worked on utilizing React, HTML/CSS.
- Collaborated with board members to organize and design a new website design for better user experience and navigation for information, registration, project showcases, board information, etc.

STAR KIDS

San Francisco, CA

**Python Instructor**

June 2021 - June 2024

- Led and provided instructional support for 20+ students, focusing on Python and mathematics, with an objective to advance education in developing nations such as Nepal and Mongolia.
- Formulated personalized learning curriculums accommodated to large classroom settings across both coding and mathematical development.

## ADDITIONAL INFORMATION

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- Technical Skills: Python, C++, React, Firebase, Three.js, HTML, CSS, Javascript
- Related Coursework: Data Structures Impl & Anls, Design & Analysis of Algorithms, Linear Algebra, Calculus III
- Non-Technical Skills: Korean (Proficient), Communication, Team Oriented, Problem Solving