

Susie Kim

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EDUCATION

University of California, Los Angeles | Los Angeles, CA

June 2028

BS in Computer Science

GPA: 4.0/4.0

- Coursework: Computer Organization, Data Structures & Algorithms, Discrete Math, and Multivariable Calculus
- Activities: Association for Computing Machinery, Upsilon Pi Epsilon

EXPERIENCE

Association for Computing Machinery | Los Angeles, CA

Nov. 2024 — Present

Full-Stack Developer

- Design and maintain an open source web application serving **500+ users** across 9 committees leveraging **Next.js**, **Node.js**, and **React** to deliver timely, relevant information to members
- Migrated **1,000+ lines** of JavaScript to TypeScript, reducing runtime errors by **20%**
- Communicate with **15-member** team to establish standardized practices across the open-source codebase

Society of Women Engineers (SWE) | Los Angeles, CA

Oct. 2024 — Present

Evening with Industry Committee, Logistics Chair

- Lead logistics for SWE's largest student-run networking event, connecting **200+ students** and **20+ companies** with **10% of attendees** advancing to next-round interviews through recruiter engagement
- Collaborate with company recruiters and industry professionals to coordinate participation and hiring initiatives
- Oversee committee budget for external workshops, resume reviews, and mock interviews for **90+ students**
- Work with **team of 7** to manage site visits at **PPG Industries** and AWS workshops with **Amazon**

TECHNICAL PROJECTS

BruinBites | *Dining Hall Rating iOS App*

June 2025 — Present

- Design an app using **SwiftUI** that lets students browse, rate, and review on-campus dining halls
- Architect app with Swift **components**, **modular classes** and **extensions** for maintainability and scalability
- Integrate **Firestore** for scalable real-time data storage and retrieval to enable responsive interactions
- Build a **Python-based web scraper** to automatically extract dining information from UCLA Dining's website, reducing manual content entry by **90%** and ensuring up-to-date information for users

Stile Profile | *Interior Design Assessment*

May 2025 — Present

- Develop a full-stack web platform for **Tori in the House** using **React**, **Node.js**, **Firestore**, and **Gemini** to assess interior design preferences, accessibility needs, and emotional triggers for trauma-informed housing
- Architect solution for lack of contextualized information and healing-centered design for existing assessments
- Implement a **RESTful API** to handle client-server communication and manage user data in **Firestore**
- Handle Firestore database query of collection holding **20+ documents** and dynamically render question UI
- Apply **object-oriented design principles** to build scalable backend modules for questionnaire and user sessions

Robot Learning Simulation | *Reinforcement Learning (RL) and Robot Learning Lab*

June 2025 — Aug. 2025

- Designed a robotic simulation in **Python** using **Isaac Lab** to solve a Markov Decision Process for construction tasks at **Pohang Iron and Steel Company**
- Engineered custom reward functions, integrating **30+ observation states**, domain randomization, and curriculum learning to accelerate convergence
- Collaborated with Prof. Youngwoon Lee to refine RL training pipeline for improved task completion success rate

SKILLS AND INTERESTS

Languages: C++, JavaScript, HTML, Python, SwiftUI, CSS, Java, TypeScript

Technologies & Tools: React, Next.js, Node.js, NumPy, Pandas, GitHub, Firestore, Tailwind, PyTorch, TensorFlow,

Docker, MongoDB, Git, Linux, PostgreSQL, AWS, Isaac Sim, Isaac Lab