

Professional Experience

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- UX Designer | Data-Driven Learning Lab, UC San Diego** **Jul 2024 – Present**
- Designed end-to-end UX/UI for WillowMind, an ACT-based mobile app, synthesizing quantitative data and feedback from 13 focus group participants to drive core feature iterations.
 - Created high-fidelity Figma prototypes, App Store marketing assets, a scalable design system, and animation storyboards and libraries to support cross-functional development.
- Research Assistant | Healthcare Robotics Lab, UC San Diego** **Aug 2023 – Present**
- Designed and prototyped clinician- and patient-facing interfaces for autonomous healthcare robots, streamlining task coordination within high-stress emergency department workflows.
 - Conducted contextual inquiry, clinician interviews, and usability evaluations to identify workflow constraints and translate findings into targeted interface redesigns.
 - Built physical prototypes using AutoCAD and 3D printing for focus group evaluations with patients.
- Instructional Assistant / Teaching Assistant | UC San Diego** **Jan 2023 - Jun 2023; Jan 2025 - Dec 2025**
- Courses:** Design for Everyday Things, Practicum in Professional Web Design, Design@Large, Cyborgs Now and in the Future
- Led discussion sections and design critiques for HCI and design courses, mentoring 30–50 students and providing actionable feedback on projects.
 - Collaborated with instructors to refine assignments, grading rubrics, and course materials while coordinating weekly instruction and monitoring student progress.

Publications

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- S. Jayaraman, A. Violette, U. L. Lou, S. Mani, D. Prakash, L. C. Oyama, C. Coyne, H. Kress-Gazit, and L. D. Riek, “CAR-EM: A synthesis-based clinically assistive robot system for emergency medicine,” *ACM Transactions on Human-Robot Interaction (THRI)*, 2026.
- Y. Li, J. Yu, U. L. Lou, D. Yu, M. Levin, K. S. Klimczak, and S. N. Liao, “Exploring Student Use of an ACT-based Mobile Application and its Impact on Reducing Procrastination,” *ASEE Annual Conference & Exposition*, 2025.

Education

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- University of California, San Diego** La Jolla, CA
- M.S. Computer Science** **Jun 2026**
- B.S. Cognitive Science with a specialization in Design and Interaction** **Jun 2024**
- Relevant Coursework:*
- Design & HCI:** Interaction Design, Advanced Interaction Design, Social Computing, Prototyping, Design Communication, Intro to Mechanical Design
- Technical:** Software Engineering, Recommender Systems & Web Mining, Machine Learning, Data Structures & Object-Oriented Design

Honors and Awards

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- Macau DSEDJ Education Fund Scholarship 2024
- Thurgood Marshall College Distinguished Senior Service Award & Scholar 2024
- Thurgood Marshall College Citizen Cord Recipient 2022–2024

Skills

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- Design & Research:** UI/UX Design, Rapid Prototyping, Information Architecture, User Interviews, Contextual Inquiry, Usability Testing, Qualitative Synthesis, Storyboarding & Visual Narrative, Asset Management
- Tools:** Figma, Adobe CC, AutoCAD, Fusion 360, 3D Printing, Procreate
- Programming:** JavaScript, HTML/CSS, Python, Java, C
- Languages:** English, Cantonese, Mandarin