Curriculum Vitae of Suzannah D. Wistreich

Stanford, CA
Phone: (720) 648-4327
Email: suzannah@stanford.edu
linkedin.com/in/suzannah-wistreich
https://sdwistreich.github.io

RESEARCH INTERESTS

Robotic Learning and Manipulation
Perception for Embodied AI
Multisensory Learning
Human Cognition

EDUCATION

2024 – 2026 **Stanford University**, Stanford, CA
M.S. in Computer Science, Artificial Intelligence
GPA: 4.117 / 4.0

2021 – 2025 **Stanford University**, Stanford, CA
B.S. in Computer Science, Artificial Intelligence
GPA: 3.977 / 4.0

EMPLOYMENT

Sep 2023 – present **Stanford Artificial Intelligence Laboratory (SAIL) – Vision & Learning Lab (SVL)**

Stanford Robotics Center (SRC) Graduate Intern Jun 2025 – present
Leading a project to develop robust, generalizable visuomotor policies for humanoid robots in collaboration with the Toyota Research Institute (TRI). Graciously supported by the Stanford Robotics Center.

CURIS Summer Intern Jun 2024 – Sept 2024
First-authored a robotics paper introducing a novel, force-based tactile sensor with state-of-the-art coverage, enabling precise manipulation of fragile objects. Co-advised by Prof. Zhenan Bao, Stanford Department of Chemical Engineering.

Research Intern Sep 2023 – present
Long-term research assistant at SVL, working on projects at the intersection of robotics and multisensory perception. Co-authored a paper introducing a device for large-scale multimodal data collection, accepted to the International Conference on Computer Vision (ICCV 2025). Advised by Prof. Jiajun Wu.

Jan 2024 – present **Department of Computer Science, Stanford University**

CS198B Instructor Jan 2025 – Jun 2025
Mentored and supported new CS106B TAs, offering guidance in teaching methods, technical content, and strategies for leading inclusive, engaging sections.

CS106 Section Leader (TA) Jan 2024 – present
Led weekly discussion sections for 8-10 students, supporting their learning in programming through interactive lessons, hands-on debugging help, and growth-mindset feedback.

Jul 2023 – Jun 2024 **Center for Teaching and Learning, Stanford University**
Front-End Web Developer
Led development of web apps for student and staff support, upgraded privacy and data security for 3,500+ users of CTL applications.

Apr 2023 – Sep 2024 **Social Learning Laboratory, Stanford Department of Psychology**

SYMSYS Summer Intern Jun 2023 – Sept 2023

Co-developed and conducted a 3-experiment study investigating how young children infer others' knowledge from causal influence in their environment.

Cognitive Science Research Assistant Apr 2023 – Sept 2024

Research assistant at SLL, studying human development and epistemic cognition. Advised by Prof. Hyo Gweon.

Sep 2022 – Jul 2023 **Juni Learning, San Francisco, CA**

Coding Instructor

Taught 150+ class sessions in Python, C++, and JavaScript, spanning 10+ subjects including AI/ML, data clustering and analysis. Mentored students ages 5–14.

PUBLICATIONS

Wistreich, S.*, Shi, B.*, Tian, S.*, Clarke, S., Nath, M., Xu, C., Zhenan, B., Wu, J. (2025). DexSkin: High-Coverage Conformable Robotic Skin for Learning Contact-Rich Manipulation. Under review at Conference on Robot Learning (CoRL).

Clarke, S., **Wistreich, S.**, Ze, Y., Wu, J. (2025). X-Capture: An Open-Source Portable Device for Multi-Sensory Learning. Accepted to IEEE International Conference on Computer Vision (ICCV 2025). https://arxiv.org/pdf/2504.02318

TEACHING

CS106B: Programming Abstractions Apr 2024 – present

Led discussion sections for Stanford's second intro CS course, teaching C++, object-oriented design, core data structures, and recursion.

CS198B: Additional Topics in Teaching Computer Science Jan 2025 – Jun 2025

Mentored new CS106B TAs, offering guidance on teaching practices, technical content, and inclusive classroom strategies.

CS106A: Programming Methodology Jan 2024 – Mar 2024

Led discussion sections for Stanford's first intro CS course, teaching and supporting students with no prior experience in Python programming, software design, and abstraction.

HONORS & AWARDS

Tau Beta Pi Eligibility Honors Jun 2025

Stanford, CA. Recognized as a top 20% senior in Stanford's School of Engineering for academic excellence based on GPA.

Lunsford Award Nominee Mar 2023

Stanford, CA. Nominated for distinction in innovative oral and multimedia research presentation.

Valedictorian May 2021

Conifer High School, Conifer, CO. Graduated as class valedictorian.

PRESENTATIONS

CURIS Summer Poster Session Aug 2024

Stanford, CA. Presented *"Precision in Perception: Multimodal Embeddings for Enhanced Object Recognition"*, advised by Prof. Jiajun Wu.

Symposium of Undergraduate Research and Public Service (SURPS) Oct 2023

Stanford, CA. Presented *"Reasoning in Reverse: Children's Ability to make Epistemic Inferences from Causal Influence"*, advised by Prof. Hyo Gweon.

SYMSYS Summer Poster Session Aug 2023
Stanford, CA. Presented *"Reasoning in Reverse: Children's Ability to make Epistemic Inferences from Causal Influence"*, advised by Prof. Hyo Gweon.

ADDITIONAL PROJECTS

Investigating a Shared Embedding Space for Image to Audio Object-Centric Data Jun 2024
Deep Learning for Computer Vision (CS231N) final project, presenting a self-supervised method to learn a shared embedding space for audio and image data for everyday objects.

Paper

CS106B Practice Problem Recommender Jun 2024
Winner of Probability for Computer Scientists (CS109) Grand Prize. Developed a project using maximum a posteriori (MAP) to recommend practice problems to CS106B students.

Code Repository

Video