

Minjune Hwang

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EDUCATION

University of Southern California

Ph.D. in Computer Science; GPA: 4.0/4.0

Los Angeles, CA

Aug. 2024 – Present

Stanford University

M.S. in Computer Science; GPA: 3.95/4.3

Stanford, CA

Sep. 2021 – Dec. 2023

UC Berkeley

B.A. in Computer Science & B.A. in Statistics; GPA: 3.90/4.0

Berkeley, CA

Aug. 2017 – May. 2021

RESEARCH INTEREST

As a roboticist, my research goal is to develop effective learning algorithms to advance general-purpose robots to assist and collaborate with humans. Specifically, I aim to develop robots that can learn from users and **efficiently and robustly adapt to their preferences**. My previous research has focused on learning representations and manipulation skills for human-in-the-loop learning.

SELECTED RESEARCH EXPERIENCE

Sensing, Learning & Understanding for Robotic Manipulation (SLURM) Lab

Ph.D. Researcher, advised by Prof. Daniel Seita

Los Angeles, CA

Aug. 2024 – Present

- Developing human-in-the-loop algorithms for robotic policy learning by integrating users' underlying rationales.

Stanford Vision & Learning (SVL) Lab

Research Assistant, advised by Prof. Fei-Fei Li & Prof. Jiajun Wu

Stanford, CA

Mar. 2022 – Dec. 2023

- Proposed human-in-the-loop learning algorithms with primitive motion skills for efficient human-robot collaboration in complex tasks, leading into multiple paper acceptances in top conferences as a first author (CoRL, IROS).
- Designed controllers and skills for robot learning in large-scale simulation (Best Paper Nominee at CoRL 2022).

SELECTED PUBLICATIONS

*: denotes equal contribution, †: equal advising

1. **Minjune Hwang**, Yigit Korkmaz, Daniel Seita[†], Erdem Bıyık[†]. Causally Robust Preference Learning with Reasons. *HiTL Workshop at RSS 2025*. **Oral** [📄](#) [\[pdf\]](#).
2. Ruohan Zhang*, Sharon Lee*, **Minjune Hwang***, Ayano Hiranaka*, Chen Wang, Wensi Ai, Jin Jie Ryan Tan, ..., Anthony Norcia, Li Fei-Fei, Jiajun Wu. NOIR: Neural Signal Operated Intelligent Robots for Everyday Activities. *Conference on Robot Learning (CoRL) 2023*. [📄](#) [\[pdf\]](#), [🌐 \[project page\]](#).
3. **Minjune Hwang***, Ayano Hiranaka*, Sharon Lee, Chen Wang, Li Fei-Fei, Jiajun Wu, Ruohan Zhang. Primitive Skill-Based Robot Learning from Human Evaluative Feedback. *International Conference on Intelligent Robots and Systems (IROS) 2023*. [📄](#) [\[pdf\]](#), [🌐 \[project page\]](#).
4. Michael Lingelbach, Chengshu Li, **Minjune Hwang**, Andrey Kurenkov, Alan Lou, Roberto Martín-Martín, Ruohan Zhang, Li Fei-Fei, Jiajun Wu. Task-Driven Graph Attention for Hierarchical Relational Object Navigation. *International Conference on Robotics and Automation (ICRA) 2023*. [📄](#).
5. Chengshu Li*, ..., **Minjune Hwang**, ..., Silvio Savarese, Hyowon Gweon, Karen Liu, Jiajun Wu, Li Fei-Fei. BEHAVIOR-1K: A Benchmark for Embodied AI with 1,000 Everyday Activities and Realistic Simulation. *Conference on Robot Learning (CoRL) 2022*. **Best Paper Nominee** [📄](#) [\[pdf\]](#), [🌐 \[project page\]](#).

HONORS & FELLOWSHIPS

Viterbi School of Engineering Fellowship

Aug. 2024 – Jul. 2026

High Distinction in General Scholarship (Magna Cum Laude)

May. 2021

Summer Undergraduate Research Fellowship (SURF), UC Berkeley

May. 2020

Berkeley Undergraduate Scholarship

Aug. 2017 – May. 2021