

Jenny Wang

CONTACT

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[jwang078.github.io](https://github.com/jwang078)

EDUCATION

Carnegie Mellon University
Robotics Institute, ('22-'28)
Robotics (PhD)

UC Berkeley ('18-'22)
3.91 GPA + High Distinction
Computer Science (BA)

SKILLS

- AWS, SSH, Git, Docker
- Machine Learning
- UR5 Robot
- Mobile Robots
- Simulation
- 3D, Point Cloud, Depth
- Computer Vision

LANGUAGES

Python, Javascript, C,
Java, MATLAB

SOFTWARE

PyTorch, Pybullet,
OpenCV, CUDA, CARLA,
ROS, Linux, Docker

AWARDS

- Uber Presidential Fellowship (2024)
- Western Digital Scholarship for STEM (2019, 2020)
- The President's Volunteer Service Award (2012-2017)

COURSEWORK

- Data Structures
- Deep Reinforcement Learning
- Visual Learning and Recognition
- Mechanics of [Robot] Manipulation
- Feedback Control Systems
- Optimization Models
- Human Robot Interaction

PUBLICATIONS

- **Wang, J.***, Donca, O.*, & Held, D. (2024). Learning Distributional Demonstration Spaces for Task-Specific Cross-Pose Estimation. *IEEE International Conference on Robotics and Automation (ICRA)*.
- Ohlson, G., Bonilla Fominaya, A. M., Puthuveetil, K., **Wang, J.**, Amspoker, E., & McCann, J. (2023). Estimating Yarn Length for Machine-Knitted Structures. In *Proceedings of the 8th ACM Symposium on Computational Fabrication* (pp. 1-9).
- Rhinehart, N., **Wang, J.**, Berseth, G., Co-Reyes, J., Hafner, D., Finn, C., & Levine, S. (2021). Information is Power: Intrinsic Control via Information Capture. *Advances in Neural Information Processing Systems (NeurIPS)*, 34.

EXPERIENCE

PhD Student @ Kantor Lab 2022 - approx May 2028
Carnegie Mellon University / Advisors: George Kantor, David Held / Pittsburgh, PA

- Researching visuomotor policies for manipulator robots performing engine repair.
- Researched generative point cloud models with imitation learning.
- Experimented with chaining LLMs and VLMs for grasp proposal.
- Mentorship: [TJ Vitchutripop](#) (Undergrad), [Octavian Donca](#) (Masters)

AI Software Engineer Oct 2024 - April 2025
Platflow.ai / Palo Alto, CA

- Implemented task scheduling workflows and prompt engineering for LLMs hosted on groq, Anthropic, OpenAI, Gemini, etc for accuracy and cost reduction.
- HIPAA compliance training + medical insurance applications.

Graduate Technology Intern @ R&D June 2024 - Sep 2024
Walt Disney Imagineering / Glendale, CA

- Researched stylistic control of mobile robot characters w/ imitation learning.
- Acknowledgements in paper [Autonomous Human-Robot Interaction via Operator Imitation](#).

Undergrad Researcher @ Robotic AI and Learning Lab (RAIL) 2019 - 2022
UC Berkeley / Advisor: Sergey Levine / Mentor: Nick Rhinehart / Berkeley, CA

- Researched intrinsically-motivated reinforcement learning agents.
- Experimented in Real2Sim transfer in autonomous driving.

Perception Team Task Manager @ Underwater Robotics at Berkeley 2018-2020
UC Berkeley / Berkeley, CA

- Coordinated efforts to build a simulator w/ Gazebo, ROS, Docker.
- Utilized stereo odometry, camera calibration, color thresholding.
- Presented *Visual Position Estimation* workshop at CalHacks 5.0. Did recruitment.

Amazon SDE Intern Summer 2019, 2020
Amazon, Inc / Seattle, WA

- Launched two tools' file editing and management portals, with frontend, serverless backend, and user authentication.
- Used ReactJS, NodeJS, Jest, HTTP, Lambda, Route 53, CORS
- Hackathon- Alexa skill guiding conversations for parents, students, and teachers.

Research Intern @ Biomicrocopy Lab Summer 2017
Boston University / Advisor: Jerome Mertz / Boston, MA

- Identified cell signatures for [High-throughput label-free flow cytometry based on matched-filter compressive imaging](#).

Research Intern @ The Whitney Laboratory Summer 2016
UC Berkeley / Mentor: Allison Yamanashi / Berkeley, CA

- Confirmed retail brand's effects on ensemble coding.

OTHER ACTIVITIES

Volunteering

Workshop Organizer @ IEEE International Conference on Robotics and Automation (ICRA) 2024
for [3D Visual Representations for Robot Manipulation](#)

Volunteer Clarinetist for 2021 Explore Martial Cottle Park Fall 2021

Volunteer for San Jose Bubble Run Spring 2019

Teaching

Teaching Assistant Spring 2026

16-467 Introduction to Human Robot Interaction

Reader Spring 2022

EECS189 Introduction to Machine Learning (Data Science offering)

Reader Fall 2021

EE120 Signals and Systems

Tutor Fall 2020

CS61A The Structure & Implementation of Computer Programs

Tutor Fall 2020

EECS16A Foundations of Signals, Dynamical Systems,
and Information Processing

Academic Intern Spring 2019

CS61A *The Structure & Implementation of Computer Programs*

Music

Clarinetist in the University Wind Ensemble 2019 - 2020