

Jenny Wang

CONTACT

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github.com/himty

EDUCATION

Carnegie Mellon ('22-'27)
Robotics (PhD)

UC Berkeley ('18-'22)
3.91 GPA
Computer Science (BA)
GRE: 162V 170Q 4.5W

COURSEWORK

- Deep RL
- Data Structures
- Intro to Robotics
- Feedback Control Systems
- Optimization Models
- Machine Structures

SKILLS

- Teamwork
- Model training
- AWS, SSH, Git
- Jupyter Notebooks
- Scrum development

LANGUAGES

Python, C, MATLAB,
Java, Javascript

LIBRARIES

PyTorch, TensorBoard,
OpenCV, Carla,
CVXPY, ReactJS,
OpenAI Gym, ROS

AWARDS

- Western Digital Scholarship for STEM (2019, 2020)
- Edward Frank Kraft Award for Freshmen (2018)
- The President's Volunteer Service Award (2012-2017)

PUBLICATIONS

- Rhinehart, N., **Wang, J.**, Berseth, G., Co-Reyes, J., Hafner, D., Finn, C., & Levine, S. (2021). [Information is Power: Intrinsic Control via Information Capture](https://sites.google.com/view/ic2). *Advances in Neural Information Processing Systems*, 34. <https://sites.google.com/view/ic2>

EXPERIENCE

PhD Student Aug. 2022 - Present
Robots Perceiving and Doing (RPAD) Lab w/ David Held

- Researching multimodality for SE(3) transform-invariant manipulator representations

Undergraduate Researcher Sept. 2019 - Aug 2022
Robotic AI and Learning Lab (RAIL) w/ Sergey Levine and Nick Rhinehart

- Researched intrinsically-motivated reinforcement learning agents in partially-observed, dynamic environments.
- Experiments in Real2Sim transfer in autonomous driving with various representations and Deep Imitative Models.

Perception Team Task Manager Aug. 2018 - Dec. 2020
Underwater Robotics at Berkeley

- Coordinated efforts for a simulator using Gazebo, ROS, Docker.
- Researched object detection, underwater stereo odometry with camera calibration, adaptive color thresholding, and more.
- Helped present about Visual Position Estimation at CalHacks 5.0.
- Recruited members with Piazza posts and class announcements.

Amazon SDE Intern Summer 2020
Amazon

- Implemented and launched a tool's file editing and management portal, with a ReactJS frontend and serverless backend using Lambda, API Gateway, Route 53, and S3.
- Set up user authentication with Amazon credentials and handled CORS API calls.

Amazon Future Engineer SDE Intern Summer 2019
Amazon

- Designed and deployed the frontend of an internal tool's website using ReactJS, NodeJS, and Jest, which used HTTP requests.
- 1st place in a hackathon category- Prototyped an Alexa skill that facilitates meaningful conversations among parents, students, and teachers for the Seattle Nativity School in a team of four.

Research Intern Summer 2017
Biomicroscopy Lab at Boston University

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

Research Intern Summer 2016
The Whitney Laboratory at UC Berkeley

- Confirmed retail brand's effects on ensemble coding.

OTHER ACTIVITIES

<i>Volunteer Clarinetist</i> for 2021 Explore Martial Cottle Park	Fall 2021
<i>Reader</i> for EECS189	Spring 2022
<i>Reader</i> for EE120	Fall 2021
<i>Tutor</i> for CS61A and EECS16A	Fall 2020
<i>Academic Intern</i> for CS61A	Spring 2019
<i>Volunteer</i> for San Jose Bubble Run	Spring 2019
<i>Clarinetist</i> in the University Wind Ensemble	2019 - 2020
