Jenny Wang

CONTACT
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himty.github.io

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
- Machine Learning
- 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. *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 multimodal, SE(3)-invariant representations for imitation learning in robotic manipulation. Paper under review.

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

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