

PATRICK YIN

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EDUCATION

University of Washington Ph.D. Computer Science & Engineering	September 2023 - Present GPA: 4.0/4.0
University of California, Berkeley B.A. Computer Science <i>Awards: Regents' and Chancellor's Scholar, top < 2% incoming class; National Merit Scholar</i>	August 2019 - May 2023 GPA: 4.0/4.0

PUBLICATIONS

ASID: Active Exploration for System Identification and Reconstruction in Robotic Manipulation Marius Memmel, Chuning Zhu, Andrew Wagenmaker, Patrick Yin , Dieter Fox, Abhishek Gupta <i>International Conference on Learning Representations (ICLR), 2024 (Oral Presentation)</i>
Stabilizing Contrastive RL: Techniques for Robotic Goal Reaching from Offline Data Chongyi Zheng, Benjamin Eysenbach, Homer Rich Walke, Patrick Yin , Kuan Fang, Sergey Levine <i>International Conference on Learning Representations (ICLR), 2024 (Spotlight Talk)</i>
Generalization with Lossy Affordances: Leveraging Broad Offline Data for Learning Visuomotor Tasks Kuan Fang, Patrick Yin , Ashvin Nair, Homer Walke, Gengchen Yan, Sergey Levine <i>Conference on Robot Learning (CoRL), 2022 (Oral Presentation)</i>
Planning to Practice: Efficient Online Fine-Tuning by Composing Goals in Latent Space Kuan Fang*, Patrick Yin *, Ashvin Nair, Sergey Levine (* indicates equal contribution) <i>IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS), 2022</i>
Bisimulation Makes Analogies in Goal-Conditioned Reinforcement Learning Philippe Hansen-Estruch, Amy Zhang, Ashvin Nair, Patrick Yin , Sergey Levine <i>International Conference on Machine Learning (ICML), 2022</i>

EXPERIENCE

Graduate Researcher , UW Robotics — <i>Advised by Abhishek Gupta</i> Sim-to-real transfer and real-world finetuning for dexterous robotic manipulation.	September 2023 - Present
Undergraduate Researcher , Berkeley AI Research — <i>Advised by Sergey Levine</i> Offline goal-conditioned reinforcement learning and finetuning with affordance models for real-world robotic control.	July 2020 - February 2023
Machine Learning Engineer Intern , Ambi Robotics Spearheaded training Ambi Robotics's deep learning models on real-world production data, upgrading their computer vision system to use 3D neural networks, and creating rigorous A/B testing protocols and statistical analyses.	January 2022 - May 2022
Software Engineer Intern , UiPath Pushed over 30 Git commits to production on Insights team. Worked with Snowflake/SQL, Kubernetes, and Docker.	June 2021 - August 2021

PROFESSIONAL SERVICE

Computer Vision and Pattern Recognition Conference (CVPR) Reviewer	2024
UW CSE PhD Admissions Reviewer	2024

OUTREACH AND SERVICE

Pre-Application Mentorship Service (PAMS) Mentor	2023
UW Robotics Lab Outreach Coordinator	September 2023 - Present
UAW 4121 Cohort Liaison	September 2023 - Present
UW U-PASS Student Advisory Board Member	September 2023 - Present