

Kevin Huang

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EDUCATION

University of Washington

October 2022 - present

Ph.D. in Computer Science – Robot Learning

California Institute of Technology (Caltech)

October 2018-June 2022

B.S. in Computer Science

GPA: 4.2

PUBLICATIONS/MANUSCRIPTS

Kevin Huang*, Rosario Scalise*, Cleah Winston, and Yunchu Zhang, Rohan Baijal, Ayush Agrawal, Markus Grotz, Byron Boots, Abhishek Gupta. Using Non-Expert Data to Robustify Imitation Learning via Offline Reinforcement Learning. *Submitted to IEEE International Conference on Robotics and Automation (ICRA) 2025.*

Patrick Yin*, Tyler Westenbroek*, Simran Bagaria, **Kevin Huang**, Ching-an Cheng, Andrey Kobolov, Abhishek Gupta. Rapidly Adapting Policies to the Real World via Simulation-Guided Fine-Tuning. *Submitted to IEEE International Conference on Robotics and Automation (ICRA) 2025.*

Andrew Wagenmaker, **Kevin Huang**, Liyiming Ke, Byron Boots, Kevin Jamieson, Abhishek Gupta. *Advances in Neural Information Processing Systems (NeurIPS)*, 2024

Jake Sacks, Rwik Rana, **Kevin Huang**, Alex Spitzer, Guanya Shi, Byron Boots. Deep Model Predictive Optimization. *IEEE International Conference on Robotics and Automation (ICRA) 2023. arXiv:2310.04590*

Kevin Huang, Rwik Rana, Alex Spitzer, Guanya Shi, Byron Boots. DATT: Deep adaptive trajectory tracking for quadrotor control. *Conference on Robot Learning (CoRL) 2023. arXiv:2310.09053 (Oral presentation, 6.6% acceptance rate)*

Jerme Bernstein*, Chris Mingard*, **Kevin Huang**, Navid Azizan, Yisong Yue. Automatic Gradient Descent: Deep Learning without Hyperparameters. 2023. *arXiv:2304.05187*

Kevin Huang, Sahin Lale, Yuanyuan Shi, Ugo Rosalia, Anima Anandkumar. Cross Entropy Method with Gradient Descent for Model Based Reinforcement Learning, 2021. *arXiv:2112.07746*

Pablo Moscato, Mohammad Nazmul Haque, **Kevin Huang**, Julia Sloan, and Jonathon Corrales de Olivera . Learning to extrapolate using continued fractions: Predicting the critical temperature of superconductor materials, 2021. *Algorithms 16 (8), 382. arXiv:2012.03774*

WORK EXPERIENCE

Virtualitics, Inc.

Data Scientist Intern

December 2021 – August 2022

- Led research project on developing a novel visualization framework for critical regions of interest in high dimensional tabular datasets

TEACHING EXPERIENCE

California Institute of Technology, CA

Teaching Assistant

- CS 1: Introduction to Programming *Fall 2019, Fall 2020, Fall 2021*
- CS 4: Fundamentals of Computer Programming *Winter 2020-2021*

HONORS AND AWARDS

Arthur R. Adams SURF Fellow – Caltech Research Fellowship

U.S.A. Computing Olympiad Platinum Division 2018