

Henry Zhu

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Education

University of California, Berkeley | August 2016 - now

Electrical Engineering and Computer Science [B.S.] and Mechanical Engineering [Minor]

GPA: 3.96 | Expected 2020

Pembroke College, University of Cambridge (Study Abroad) | June 2017 - August 2017

Concentration in Philosophy, GPA: 4.0

Highlighted Coursework

Theoretical Statistics, Algorithms, AI, Machine Learning, Probability, Stochastic Processes, Reinforcement Learning, Cellular Biomechanics, Signal Processing, Statistical Thermophysics, Dynamical Feedback Systems, OS, Mechanics

Experience

Robotics and AI Lab, Berkeley AI Research

Undergraduate Researcher advised by Prof. Sergey Levine | March 2018 - now

Investigating the application of deep reinforcement learning for real world robotic control.

Hadley Lab, UCSF

Undergraduate Researcher advised by Dr. Dexter Hadley | September 2017 - March 2018

Automating the processing of clinical databases into datasets suitable for applications of deep learning.

BEST Lab + Berkeley Institute of Design

Undergraduate Researcher advised by Prof. Alice Agogino | June 2017 - February 2018

Analyzing selection patterns of formal design methodologies among student designers.

Teaching Experience

Intro to Artificial Intelligence (CS 188): *Teaching Assistant*

Probability for Data Science (STAT 140): *Head Tutor*

Intro to Data Science (CS/STAT 8): *Lab Assistant*

January 2019 - December 2019

January 2018 - December 2018

September 2017 - December 2018

Publications

Henry Zhu*, Justin Yu*, Abhishek Gupta*, Dhruv Shah, Avi Singh, Vikash Kumar, Sergey Levine. "Ingredients of Real World Robotic Reinforcement Learning". Spotlight paper in *International Conference on Learning Representations (ICLR)*, 2020.

Michael Ahn, **Henry Zhu**, Kristian Hartikainen, Hugo Ponte, Abhishek Gupta, Sergey Levine, Vikash Kumar. "Low-Cost Robotic Benchmarks for Learning". In *Conference on Robotic Learning (CoRL)*, 2019.

Tuomas Haarnoja, Aurick Zhou, Kristian Hartikainen, George Tucker, Sehoon Ha, Jie Tan, Vikash Kumar, **Henry Zhu**, Abhishek Gupta, Pieter Abbeel, Sergey Levine. "Applications of Soft Actor-Critic Algorithms". *arXiv:1812.05905*, 2019.

Henry Zhu*, Abhishek Gupta*, Aravind Rajeswaran, Sergey Levine, Vikash Kumar. "Dexterous Manipulation with Deep Reinforcement Learning". In *International Conference on Robotics and Automation (ICRA)*, 2019.

Awards

2017 Eta Kappa Nu Honor Society (Top 33% in EECS)

2017 UCEAP Promise Award (Top 10% study abroad students)

2017 Tau Beta Pi Honor Society (Top 25% in Engineering)

2017 Kraft Award for Freshman (Top 3% of freshmen)

2016 Regents and Chancellor's Scholarship (Top 2% freshmen)

2016 William G. Drake's Scholarship (full ride to 6 freshmen)