

DEIRDRE QUILLEN

dequillen@gmail.com

EDUCATION

University of California at Berkeley

August 2018 - Present

PhD Candidate in Electrical Engineering and Computer Science

Cornell University

September 2011-May 2015

Bachelor of Arts, Computer Science and Mathematics

RESEARCH AND PROFESSIONAL EXPERIENCE

Research Engineer at Google Brain Robotics

May 2016-January 2018

Researched machine learning and robotics, and built supporting research infrastructure. Built infrastructure for large distributed training of a robotic grasping system.

Engineering Resident at Google

September 2015-May 2016

One year software engineering rotational program, doing research projects on machine learning and robotics at Google X and Google Brain.

PUBLICATIONS

Meta-World: A Benchmark and Evaluation for Multi-Task and Meta Reinforcement Learning

T Yu*, D Quillen*, Z He*, Z Hen, R Julian, K Hausman, C Finn, S Levine

Conference on Robot Learning

2019

Efficient off-policy meta-reinforcement learning via probabilistic context variables

K Rakelly, A Zhou, D Quillen, C Finn, S Levine

International Conference in Machine Learning

2019

Learning hand-eye coordination for robotic grasping with deep learning and large-scale data collection

S Levine, P Pastor, A Krizhevsky, J Ibarz, D Quillen

The International Journal of Robotics Research

2018

Deep reinforcement learning for vision-based robotic grasping: A simulated comparative evaluation of off-policy methods

D Quillen*, E Jang*, O Nachum*, C Finn, J Ibarz, S Levine 2018 IEEE International Conference on Robotics and Automation (ICRA)

2018

Qt-opt: Scalable deep reinforcement learning for vision-based robotic manipulation

D Kalashnikov, A Irpan, P Pastor, J Ibarz, A Herzog, E Jang, D Quillen, E Jang, O Nachum, C Finn, J Ibarz, S Levine

IEEE International Conference on Robotics and Automation (ICRA)

2018

* Denotes Equal Contribution

TEACHING

Teaching Assistant, Algorithms and Data Structures with professor Eva Tardos *Sept 2014-May 2015*
Cornell University

Teaching Assistant, Intro to Computing in Matlab with lecturer Daisy Fan *Sept 2012-May 2013*
Cornell University