www.marvinzhang.com
zhangmarvin@berkeley.edu

Marvin Zhang

Education

University of California, Berkeley / Computer Science Major & Music Minor / 2012 - 2016 (expected) / GPA: 4.0

Selected Coursework (Completed **/** *In Progress***):**

Operating Systems and System Programming (CS 162)
Efficient Algorithms and Intractable Problems (CS 170)
Introduction to Artificial Intelligence (CS 188)
Statistical Learning Theory (CS 281A)
Programming Languages and Compilers (CS 164)
Probability and Random Processes (EE 126)
Introduction to Machine Learning (CS 189)
Advanced Robotics (CS 287)

Skills

Libraries & Frameworks: SciPy, Django, ZMQ, Google Cloud Platform **Tools & IDEs:** Git, Vim, Eclipse, PyCharm
OSs: OS X, Unix, Linux **Languages (**Proficient **/** *Familiar***):** Python, Java, Matlab, *LaTeX*, *SQL*, *HTML/CSS/JS*

Research Experience

Research Apprentice, UC Berkeley Robot Learning Lab

Working primarily with Professor Pieter Abbeel and post-doctoral researcher Sergey Levine. Currently involved with several projects focusing on guided policy search and recurrent neural networks.

Publications:

Marvin Zhang, Sergey Levine, Zoe McCarthy, Chelsea Finn, Pieter Abbeel.
Policy Learning with Continuous Memory States for Partially Observed Robotic Control.
arXiv 1507.01273. 2015.

Work Experience

CS 188 Undergraduate Student Instructor, UC Berkeley (August 2015 - present)

Currently a Teaching Assistant for CS 188, Introduction to Artificial Intelligence. Duties include teaching sections, holding office hours, and writing and developing course materials.

CS 61A Undergraduate Student Instructor, UC Berkeley (January 2014 - May 2015)

Formerly a Teaching Assistant for CS 61A, Structure and Interpretation of Computer Programs, for three semesters. CS 61A is the introductory computer science course at UC Berkeley.

Engineering Intern, Prism Skylabs (June - August 2013)

Interned at Prism Skylabs, an SF-based startup working on computer vision and video imagery analysis. Primary project was complete overhaul (backend and frontend) of one of their web apps, the iDashboard.

Projects

parRL (github.com/zhangmarvin/parRL)

Framework for parallelizing reinforcement learning algorithms. Developed with PhD student John Schulman and Professor Pieter Abbeel in the UC Berkeley RLL.

Yelp Maps (cs61a.org/proj/maps)

Project written for CS 61A to introduce students to introductory topics in machine learning. Developed with fellow Teaching Assistant Brian Hou and Instructor John DeNero.

Leadership, Awards, & Honors

Undergraduate Research Apprentice Program Summer Stipend Award — May 2015 - August 2015
Upsilon Pi Epsilon, Computer Science Honor Society — December 2013 - present
UC Berkeley Letters and Science Dean's Honor List — December 2012 - present
President, The Music Connection at UC Berkeley — May 2014 - May 2015