

EDUCATION

University of California, Berkeley, Berkeley, CA

- *B.A. - Double Major in Computer Science and Applied Mathematics*, Graduation December 2017
- GPA 3.891
- Classes: Operating Systems, Computer Security, Efficient Algorithms and Intractable Problems, Artificial Intelligence, Machine Learning, Database Systems, Data Structures, Computer Architecture, Numerical Analysis, Real Analysis, Abstract Algebra, Linear Algebra and Differential Equations

EXPERIENCE

NASA Jet Propulsion Laboratory (JPL), Pasadena, CA

Software Engineering Intern, Mission Control Systems and Software Architecture, May 2017 - August 2017

- Developing a translation of the K Modeling Language for use by a constraint problem solver
- Expanding the features of the K language and the abilities of the problem solver
- Intended use of the project is for Systems Engineers modeling the upcoming *Europa Clipper* Mission
- Languages used: K, Java, Scala

UC Berkeley Electrical Engineering and Computer Science Department, Berkeley, CA

Teaching Assistant, May 2015 - Present

- CS 186/286A - Database Systems - CS 61B - Data Structures, CS 10 - The Beauty and Joy of Computing, and CS 375 - Teaching Techniques for Computer Science.
- Responsibilities include teaching discussion and lab sections, holding office hours, and creating and grading exams, homeworks, and projects
- Taught classes in Snap!, Java, and Python
- Wrote a database in Java for the database systems class for students to improve upon as projects throughout the course that includes query optimization, B+ Tree indexes, and concurrent transaction management

Athenahealth, San Francisco, CA

Software Development Intern, May 2016 - August 2016

- Expanded the capabilities of search to be able to handle queries relating drugs, diseases, and insurance information
- Created a chatbot for Epocrates to be used by doctors in aiding the prescription of drugs based on a patient's insurance and diagnosis of conditions
- Worked on the full stack from pulling in database information and indexing it, parsing user input, and creating a front end user interface
- Languages used: Java, Scheme, SQL, HTML/CSS, Javascript

Interactive Autonomy and Collaborative Technologies Lab (InterACT), Berkeley, CA

Research Assistant, August 2016 - December 2016

- The Interactive Autonomy and Collaborative Technologies Lab studies algorithms for human-robot interactions
- Studied autonomous driving algorithms that can better predict and affect the behavior of human drivers using inverse reinforcement learning based on human driving demonstrations
- Started developing infrastructure for programmatically controlling a robotic arm
- Languages used: Python

ORGANIZATIONS/LEADERSHIP

The [M]ovement Dance Team

Choreographer and Dancer, August 2015 - May 2017

- Choreographed and directed a hip hop dance team with weekly practices and campus performances, and participated in multiple other hip hop dance teams

Berkeley Dance Marathon

Social Media Director, August 2014 - May 2016

- Directed social media efforts for Dance Marathon, an organization that hosts events to fundraise and raise awareness for eradicating Pediatric AIDS