APOLLO JAIN

(804) 503-3049 | apollojain@berkeley.edu | http://www.github.com/ajain

EDUCATION

UC BERKELEY
B.S. Electrical Engineering and Computer Science | *GPA: 3.6*
May 2017
M.S. Electrical Engineering and Computer Science | *GPA: 4.0*
Expected May 2018

COURSEWORK

ENGINEERING
- Data Structures
- Signals and Systems
- Optimization Models
- Algorithms
- Artificial Intelligence
- Machine Learning
- Deep Time Series Learning

OTHER
- Discrete Math and Probability
- Concepts of Probability
- Engineering Statistics
- Stochastic Processes

OTHER

Organizations
- Kairos Society (Director)
- Robotics at Berkeley (co-founder and Vice President)
- Cal Sailing Club (Member)
- Cal Swing (Member)

Awards
- Cal Leadership Award
- Oski Student Leadership Award
- Palantir Hack Week Winner
- United Nations Data for Climate Action Grand Prize Winner
- Fung Fellow for Wellness and Technology

EXPERIENCE

BERKELEY ENERGY & CLIMATE INSTITUTE | Researcher
Berkeley, CA | August 2016 to Present
- Researched on the SWITCH Latin America project under Nobel Prize Recipient Dan Kammen
- Used Python and AMPL to build models to show the effect of different energy policy decisions in Mexico, some of which will result in a 47% reduction in particulate emissions across the country
- Researched methods for modeling year-over-year hydroelectric power output for thesis using scikitlearn and NOAA APIs

PALANTIR TECHNOLOGIES | Forward Deployed Engineering Intern
New York City NY | May 2017 to August 2017
- Coded custom software solutions using the Palantir product in order to reach the goals of a client in the government regulatory space, reducing client analyst work times by ~30%
- Won the Palantir Hack Week for an NLP project for said government client

ASSOCIATED STUDENTS OF THE UNIVERSITY OF CALIFORNIA | CTO
Berkeley, CA | May 2016 to May 2017
- Handle a number of technology resources for Berkeley undergraduates, including the flagship mobile and applications, used by 10,000 and 25,000 students respectively, as well as an experimental OpenCV video recording project that was piloted in two classrooms
- Raised over $20,000 for the office through partnerships with the school and with companies such as Adobe, Lyft, and Doordash
- Increased office size by over 80%

SALESFORCE | Software Engineering Intern (Community Builder)
San Francisco, CA | May 2016 to August 2016
- Used Java, React, HTML, and CSS to add features to the application
- Fixed various bugs across the platform

TESLA MOTORS | Engineering Intern (Demonstrated Reliability)
Palo Alto, CA | January 2016 to May 2016
- Focused on testing and verifying different properties of various parts on the Model III Powerboard
- Created a web application using Django to keep track of and simulate car part lifetimes
- Prospected a Geometric Optimization pet project that focused on maximizing reliability given budgetary constraints.

PROJECTS

BRAINWALK | 2017
- Ongoing project in conjunction with the Fung Fellowship and the UCSF Bove Lab
- Involves reading literature on neurodegenerative diseases and aggregating discussed techniques for neurodegenerative disease screening
- Explored using Signal Processing to featurize sound files and ran polynomial regression to scope out likelihood of seven key neurodegenerative diseases

UN DATA FOR CLIMATE ACTION | 2017
- Focused on identifying new EV Charging Stations through modified k-Means clustering that depended on scraped Google Places Popular Times, Waze Traffic Data, and existing EV locations
- Devised a Convex Optimization solution to get optimal k using budgetary constraints
- Selected as an Grand Prize Winner in the challenge by the United Nations