Jeffrey Liu

Email: Jliu23@berkeley.edu   **Phone**: (415) 577-2830   **Website**: jeffliu426.github.io

Education

University of California, Berkeley Graduation Date: May 2018
B.A. Computer Science and Economics (GPA: 3.56)
Technical Coursework:
   CS: Programming **(**CS 10/61A), Data Structures & Algorithms (CS 61B/170), Computer Architecture (CS 61C)
 Math: Calculus (Math 1A/1B), Linear Algebra (Math 54), Discrete Math & Probability (CS 70), Statistics (Stat 20)
 Econ: Macroeconomics (Econ 100B), Microeconomics (Econ 100A – Sp' 17), Public Policy (PP 103)

Experience

Internships:
- **Domo** – **Software Engineering Intern** (6/2015 –8/2015)
  - Designed and managed a data management project that integrated with Amazon EC2 and company databases

Research Assistantships:
- **UC Berkeley - Data Science Ethnography Research** (2/2015 – 5/2015)
  Supervisor: Charlotte Mazel
  - Observed and partook in two groups (Computational Text Analysis and Hacker Within) to study the best practices for learning data science.
  - Results from my study helped form new introductory data science courses at UC Berkeley.
- **UC Berkeley – Data Science Twitter Project** (2/2016 – 5/2016)
  Supervisors: Lefteris Anastasopoulos, Jake Williams
  - Used geocoded Twitter data and machine learning algorithms to model and predict peaceful and violent protest activity. Had substantial input based on data analysis of the language in the tweets

Projects

- **LocalEats**
  - Brainstormed and built an iOS App that presents the user with local restaurants to choose from in a Tinder-esque manner
  - Worked on product design (Swipe Right/Left functionality) and backend (using Yelp API)
- **CSV Diffing Program**
  - Designed a program that compares a high volume of CSV files at a time and logs the differences using Spark and Java
- **Built Simplified Version of Git in Java**
  - Implemented commands such as add, commit, remove, checkout, branch, reset, merge, rebase
- Developed games (Dice Game HOG & Ants Vs. Bees) in Python and Java (Checkers)
- Wrote an Assembler in C and Linker in MIPS
- Built a Scheme language interpreter in Python

Skills

- Skilled: Java, Python, Swift, LaTeX
- Adequate: C, Spark, SQL, R, HTML/CSS/Javascript, Assembly
- Bilingual (English and Chinese-Mandarin) – Studied Abroad In Beijing, China (6/2016 – 8/2016)
- Sportswriter for The Daily Californian newspaper