Jeffrey Liu

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Education

University of California, Berkeley Graduation Date: 5/2018
B.A. Computer Science and Economics (GPA: 3.56)
Technical Coursework:
- **CS:** Programming (CS 10/61A), Data Structures and Algorithms (CS 61B/170), Computer Architecture (CS 61C)
- **Math:** Calculus (Math 1A/1B), Linear Algebra (Math 54), Discrete Math and Probability (CS 70), Statistics (Stat 20)
- **Econ:** Macroeconomics (Econ 100B), Microeconomics (Econ 100A – Sp' 17), Public Policy (PP 103)

Skills and Accomplishments

Tools:
- Skilled: Java, Python, Swift, LaTeX
- Adequate: Spark, SQL, R, HTML/CSS/Javascript, Assembly

Internships:
- **Domo – Software Engineering Intern** (6/2015 –8/2015)
  - Learned Spark to build programs that integrated with Amazon EC2 and company databases

Research Assistant:
- **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.
- **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

iOS Projects:
- **LocalEats**
  - Uses Yelp API to present the user with local restaurants, which are randomly presented in a Tinder-like manner
- **Other Apps**: Weather App, Music Playlist, To-Do-List Hangman, Customized Keyboard

Relevant CS Experience:
- Built a simplified version of Git from scratch in Java
- Built a Scheme language interpreter in Python
- Developed games (Dice Game HOG & Ants Vs. Bees) in Python and Java (Checkers)
- Wrote an Assembler in C and Linker in MIPS
- Programmed several keyboard shortcuts for Snap! Programming Language
- Automated UI testing with Selenium and Java

Other Experience
- Bilingual (English and Chinese-Mandarin) – Studied Abroad In Beijing, China (6/2016 – 8/2016)
- Sportswriter for The Daily Californian newspaper