JEFFREY LIU

UC BERKELEY CS & ECON

CONTACT

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EDUCATION

UC Berkeley
B.A. Computer Science
& Economics 2014-2018
Certificate in Technology &
Entrepreneurship
GPA: 3.5

COURSEWORK

Computer Science:
Data Structures, Algorithms, Computer Architecture, Databases, Operating Systems, System Programming, Cybersecurity

Math:
Calculus, Linear Algebra, Discrete Math & Probability, Statistics

Econ:
Macro, Micro, Finance, Wealth & Poverty, Econometrics

Self-Taught:
Machine Learning, Data Science, Internet Architecture

SKILLS

Languages: Java, Python, C, Go, Swift
Platforms: Unix, Linux, iOS
Databases: SQL, Apache Spark
IDEs: Eclipse, IntelliJ
Web: HTML, CSS, JavaScript
Frameworks: Selenium, Groovy
Other: Bilingual (English & Chinese-Mandarin)

EXPERIENCE

Red Pulse – *Data Science Intern*

September – December 2018 – Shanghai, China

- Used NLP (Gensim, NLTK, Scikit) for Chinese & English text similarity. Built data pipeline for Chinese & English companies' data. Built sentiment analysis visual web app analyzing these companies. Wrote research articles covering China's financial markets.

Lending Club – *Software Engineer Intern*

April – June 2018 – San Francisco, CA

- Worked on internal tools team. Implemented automated checks and processes to improve developers code & workflow with Github and Jenkins. Primarily used Python

Federal Reserve Bank of SF – *Software Engineer Intern*

June – August 2017 – San Francisco, CA

- Built a dashboard to consolidate project status reports. Wrote automated scripts in Java & Selenium to test apps. Conducted research on cybersecurity and password protocols.

Domo – *Software Engineer Intern*

June – August 2015 – San Francisco, CA

- Developed a diffing program that logged updates w/ Spark and Java, tested performance for large- scale data processing. Automated UI tests with Selenium and Java.

RESEARCH ASSISTANT POSITIONS

Pacific Research Platform: Big Data Collab *02/2017 – 02/2018*

- Set up and utilized network and data transfer technologies to run tests across campus that measure network performance and establish end-to-end usage expectations

UC Berkeley – Data Science Twitter Project *02/2016 – 05/2016*

- Assisted w/ using geocoded Twitter data and scalable machine learning algorithms to build a classifier that predicts peaceful & violent protest activity.

PROJECTS

- **Pitcher Similarity –** Used Python and machine learning algorithms from scikit-learn (K_Means, PCA) to measure similarity b/w baseball pitchers
- **PintOS** – Implemented OS architecture in C with file I/O, memory & resource allocation, threading, synchronization, and scheduling
- **SolBike & HomeR** – Startup projects in entrepreneurial environments in Berkeley & Portugal. Learned how to conduct market research and analysis, sales and marketing, product-market fit, pitch in front of venture capitalists, etc.