JEFF XIANG

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

Expected 2019 | Berkeley, CA

BA in COMPUTER SCIENCE
GPA: 3.6/4.0

COURSEWORK

ENGINEERING

Efficient Algorithms (CS 170)
Computer Architecture (CS 61C)
Data Structures (CS 61B)
Devices & System Design (EE 16A)

MATH & STATS

Optimization Models (EECS 127)
Data Science (DATA 100)
Discrete Math (CS 70)
Multivariable Calculus (MATH 53)
Linear Alg & Diff Eqns (MATH 54)

SKILLS

PROGRAMMING

Python • Java • C • SQL
HTML/CSS • JavaScript
RISC-V • LaTeX • React

LIBRARIES & MISC.

PyTorch • NumPy • Pandas
Jupyter • MySQL • AWS
Chrome Extension Development

AWARDS

SCET ENTREPRENEUR | Dec 2018
UC Berkeley College of Engineering

ECONOMICS CUP | May 2016
Chinese International School

EAGLE SCOUT | May 2013
Boy Scouts of America

PRESIDENT'S AWARD | May 2012
Office of the President, United States

EXPERIENCE

CAL CONVERGENT | BUILD TEAM DIRECTOR

January 2019 - Present | Berkeley, CA, United States

- Cofounded product development club focused on interdisciplinary cooperation
- Designed and led Build Team Program of >100 students through ideation, testing, and implementation of their projects

NOVUMIND, INC. | DEEP LEARNING INTERN

June 2018 - August 2018 | Santa Clara, CA, United States

- Designed and implemented a deep learning model for predicting high frequency financial asset returns (≥ 85% validation accuracy)
- Implemented real-time financial data collection program and trading simulator for training and evaluation of predictive model
- Integrated and deployed data collection and processing workflows onto AWS servers

BERKELEY INSTITUTE FOR DATA SCIENCE | DEVELOPER

August 2017 - May 2018 | Berkeley, CA, United States

- Conducted data-driven analytics to improve UC Berkeley's data science course design
- Created weekly data science lab materials for UC Berkeley's sports analytics course using Python data packages (Pandas & Numpy) and Jupyter Notebooks
- Served as lab assistant for UC Berkeley's introductory data science course for two semesters

PROJECTS

IMAGE DEPTH PERCEPTION PROGRAM | C PROGRAM

August 2018 - September 2018 | C

- Implemented program that created a depth map from two images captured by a dual camera system

SPIDY DATA PRIVACY EXTENSION | CHROME EXTENSION

January 2018 - May 2018 | JavaScript, HTML/CSS

- Developed a Chrome extension that allows for real-time detection of sensitive and potentially private data input in browser
- Performed extensive surveys and market research to design front-end user interface and optimize for user experience

GITLET - LOCAL VERSION CONTROL | JAVA PROGRAM

November 2017 - December 2017 | Java

- Implemented a localized version control system equipped with command-line interface, similar to Git