

JEFF XIANG

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EDUCATION

UNIVERSITY OF CALIFORNIA, BERKELEY

Expected 2020 | Berkeley, CA

BA in COMPUTER SCIENCE

GPA: 3.6/4.0

COURSEWORK

PROGRAMMING

Efficient Algorithms (CS 170)

Computer Architecture (CS 61C)

Data Structures (CS 61B)

Data Privacy (IEOR 185)

MATH & STATS

Data Science (CS C8)

Probability (STAT 88)

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

LIBRARIES & MISC.

PyTorch • NumPy • Pandas

Jupyter • MySQL • AWS

Chrome Extension Development

AWARDS

SCET ENTREPRENEUR | Aug 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

NOVUMIND, INC. | SOFTWARE ENGINEERING INTERN

June 2018 - August 2018 | Santa Clara, CA

- Designed and implemented a deep learning model for predicting high frequency financial asset returns ($\geq 85\%$ 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

- 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

BLOOMBASE, INC. | RESEARCH ASSISTANT

July 2015 - August 2015 | Hong Kong, China

- Performed extensive research and reporting on key channel partners relevant to the data security industry
- Streamlined structure of the client database to ensure time-efficient writing and querying

PROJECTS

IMAGE DEPTH PERCEPTION PROGRAM | C PROGRAM

August 2018 - September 2018 | C

- Implemented a 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