

XING VOONG

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Education:

University of California, Berkeley

December-2019

BA. Data Science with an emphasis in Computer Science

Objective:

I am seeking a *Software Engineering fulltime position*. **I am a US citizen**

Projects: github.com/xingvoong

Version Control System

Backend|Java

Developed a modern version control system inspired by Github.

Google Maps Directions Finder

Backend|Java

Implemented a version of Google Maps for the town of Berkeley, using A* search, NN search and k-d tree to find the shortest path.

Restaurants Searcher

Backend|Python

Created a visualization of restaurant ratings using machine learning techniques such as k-means algorithm, simple least-squares linear regression, and the Yelp academic dataset.

Pacman

A.I|Python

Implemented AI concepts, such as informed state-space search, probabilistic inference, and reinforcement learning through the game Pacman

Classifiers:

Machine Learning|Python

Built machine learning classifications such as Support Vector Machine, Gaussian Classifier, Decision Tree with accuracy more than 75%.

Scheme Interpreter:

Backend|Python

Implemented an interpreter for the programming language Scheme.

Professional Experience:

Lab Assistant for CS61B: Data Structures and Algorithms, UC Berkeley

08/2018 – 01-2019

- Tutored for a class with 1000+ students to create a solid foundation in Java, Data Structures and Algorithms.
- Debugged CS61B projects, homeworks, and labs.
- Provided exam and code-writing mentoring during lab and office hours

Teaching Assistant, City College of San Francisco

01/2017 – 05/2017

- Organized and taught Programming Fundamental C++ for a class of 40 students
 - Provided in class tutoring to Computer Science students in C++ and Java.
 - Accommodated and mentored individuals with different learning levels.
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Technical Skills and Interests:

Programming: Python (*proficient*), Java (*prior experience*), CSS/HTML(*proficient*), SQL (*prior experience*)

Languages: English (fluent), Vietnamese (fluent), Mandarin (*proficient*), and Cantonese (*proficient*).

Interests: writing, reading, traveling, working out, open sources.

Related Courses:

• Data Structures and Algorithms • Machine Learning • Intro to A.I. • Machine Structures • Structure and Interpretation of Computer Programs • Discrete Mathematics and Probability Theory for Computer Science • The Foundations of Data Science • Probability for Data Science

Honors & Awards:

Initiator – Free City College Program

08/2015 – 07/2017

- Successfully initiated campuswide movement to make CCSF free for San Francisco citizens through protesting, writing letters and meeting with San Francisco Board of Education

Student of the Year 2015-2016

December - 2016

- Given to a single student each year. Based on demonstrated leadership, academic achievement, and empowering other students on campus.