XING VOONG

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Education:

University of California, Berkeley December-2019
BA. Data Science with an emphasis in Computer Science

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.

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.