

# XING VOONG

[xvoong@berkeley.edu](mailto:xvoong@berkeley.edu) 415 -218 -8617 San Francisco – 94134 <https://www.linkedin.com/in/xvoong/>

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## Education:

- University of California, Berkeley - Expected graduation December 2019
  - BA. Data Science with an emphasis in Cognition and A.I, minor in Computer Science
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## Related Courses:

• Structure and Interpretation of Computer Programs • Data Structures and Algorithms • Discrete Mathematics and Probability Theory for Computer Science • The Foundations Of Data Science • Probability for Data Science • Great Ideas in Computer Architecture (Machine Structures)

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## Technical Skills:

Languages: C++, Java, Python

Operating Systems: Windows (7+ years), UNIX (MacOSX/Linux) (4+ years), iOS (4+ years)

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## Professional Experience:

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

August 2018 – Current

- Hold office hours weekly to answer questions about the course.
- Provided guides and helps for students in labs.

### Teaching Assistant, City College of San Francisco

January 2017 – May 2017

- Helped a new professor organize and teach CS 110B, Programming Fundamental: C++.
- Provided in class tutoring to Computer Science students in C++ and Java.
- Enhanced my ability to mentor and communicate with any individual with different learning levels.

### Computer Lab Assistant, Financial Aid Office, City College of San Francisco

August 2017 December 2017

- Helped students with their online applications for financial aid and mentored new lab assistants.
  - In charge of installation of operating systems, computer hardware, and Windows software, virus removal, networking and support of lab computers.
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## Projects:

### Data Structures and Algorithms:

- **Gitlet:** Used built in Java libraries and data structures to create a smaller version of GitHub
- **BearMap:** A smaller version of Google Map of Berkeley

### Nbody Planet:

- Simulating the motion of N objects in a plane, accounting for the gravitational forces mutually affecting each object as demonstrated by Sir Isaac Newton's Law of Universal Gravitation.

### Hog Game

- Used knowledge in Python to build the game Hog with my new rules

### Yelp Map

- Created a visualization of restaurant ratings using machine learning and the Yelp academic dataset using Python

### Ants Vs. Some Bees:

- Created a tower defense game called Ants Vs. SomeBees, in Python. This game is inspired by PopCap Game's Plants Vs. Zombies.
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## Honors & Awards:

### 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.

### APIASF Scholarship

May 2017

Given to 20 Asian & Pacific Islander students in the San Francisco Bay Area.

- Based on academic achievement in STEM fields, leadership skills and contributions to the community.
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## Personal Information:

I have strong interests in Artificial Intelligent and Software Development. I hope to develop software and algorithms using A.I (Machine Learning) technique to help machines learn and solve problems like the human. I am an energetic, adventurous and easy to work with a person. I am fluent in Vietnamese. I can speak Chinese Mandarin and Chinese Cantonese with professional working proficiency.