

# XING VOONG

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## Summary

- Software engineer adept at building, deploying, and scaling full-stack apps to AWS.
- UC Berkeley Data Science graduate, with an emphasis in Computer Science.
- U.S citizen.

## Technical Skills

**Front End:** React, Javascript/HTML5/CSS3.

**Backend:** Python, Java, Javascript, SQL, Node.js, Express, Flask, MySQL, PostgreSQL, MariaDB, MongoDB

**Data Science:** pandas, numpy, matplotlib, scikit-learn, relational and non-relational database.

**Testing/Deployment:** Docker, AWS: EC2/RDS/S3, Jest, Mocha, Chai, React Testing Library, K6.

**Developer Tools:** Git, Unix/Linux, Agile Methodology, Webpack, Babel, Celery.

## Software Engineering Experience

**Software Engineer Intern**, Creatory, Vietnam | Python, SQL, Flask 2020

- Designed and developed a new feature that displays fan information and their relationship with influencers.
- Developed internationalization for the web app.
- Implemented sentence embedding algorithms for sentiment analysis.

**Lab Assistant for Data Structures and Algorithms**, UC Berkeley 08/2018 – 01/2019

- Tutored 100+ students to create a solid foundation in Data Structures and Algorithms in Java.
- Debugged projects, homework, and labs for Computer Science students.

**Teaching Assistant**, City College of San Francisco 01/2017 – 05/2017

- Organized and taught Programming Fundamental for a class of 40 students.

## Projects

**Architecture Lead, Software Engineer** | React | Node.js | MongoDB [github.com/DeepBlue-Designs/best-eats-inc](https://github.com/DeepBlue-Designs/best-eats-inc)

- Investigated and determined the tech stack and implementation for full-stack application of meal planning and user-specified health and wellness goals.
- Set up git workflow, reviewed merge and pull requests to ensure the team was following best practices.
- Implemented login/signup pages with authentication to improve access and security.

**Back-end Engineer** | Node.js | K6 | PostgreSQL | AWS | EC2 | Nginx [github.com/Adept-Adobo/Question-Answer](https://github.com/Adept-Adobo/Question-Answer)

- Reduced latency from 5s to under 50ms by identifying a database bottleneck with query planner and refactoring the expensive nested filter clause.
- Expanded endpoint capability from 100 to 4000 requests per second, with 0.0% error for an average response time of 62 ms.
- Deployed the app to three EC2 t2.micro instances with the least connected method and proxy caching implemented in Nginx.

**Front End Engineer** | React [github.com/xingvoong/pet-me](https://github.com/xingvoong/pet-me)

- Designed and implemented a React.js game that simulates a virtual pet that is pet-able and walkable

**Front End Engineer** | React [github.com/Impreffively/Project-Catwalk](https://github.com/Impreffively/Project-Catwalk)

- Redesigned clothing website to improve U.I/U.X and time to first paint from 1.0+ seconds to sub 800ms.
- Improved security by refactoring client and server to transition sensitive API keys to the server.

## Education

**Hack Reactor**, San Francisco, Advanced Software Engineering immersive program 09-2021

**University of California, Berkeley**, B.A. in Data Science (emphasis in Computer Science) 12-2019

- Relevant courses: Data Structures and Algorithms, Efficient Algorithms, Machine Structures, Database, Machine Learning, Artificial Intelligence, Probability for Data Science.