**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.