XING VOONG

San Francisco | 415-218-8617
xingvoong@gmail.com | linkedin.com/in/xingvoong | github.com/xingvoong

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, Nginx, 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

- 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

- 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

- 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

- 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.