MINHUI XIE

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⚬ DETAILS ⚬

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⚬ LINKS ⚬

LinkedIn Profile

⚬ SKILLS ⚬

Front-End:

React.js / Vue.js / Bootstrap /
HTML / CSS / SCSS

Back-End:

Express.js / Node.js / Kraken.js

Database:

MongoDB / SQL

Programming Languages:

JavaScript / Java / Python

🎓 EDUCATION

B.S. Computer Science, University of Maryland, College Park, MD
June 2017 — December 2020

❖ COURSES

Design And Analysis of Algorithms

Database Design

Full-stack Web Development With Node.js

👥 INTERNSHIPS

Software Engineer Intern at Fraunhofer USA CESE, College Park, MD
September 2020 — December 2020

- Constructed several modular and reusable components of a visual inspection dashboard using Vue.js and Vuex
- Created an efficient RESTful API back-end service by implementing the Python Flash web framework.

Software Engineer Intern at PayPal, Scottsdale, AZ
May 2020 — September 2020

- Designed and developed a full-stack web application: CFBT Test Registry, using Kraken.js, Express.js, React.js, and MySQL
- Aimed at supporting functional Customer Flow Based Testing (CFBT) properly and sustainably by facilitating federation of tests
- Deployed a self-designed normalized relational database
- Built an efficient, scalable, feature-rich RESTful API including filtering, pagination, amongst others
- Used Moment.js to handle timezone offset when recording activity logs

Research Assistant at BAD Lab, University of Maryland (UMCP), College Park, MD
February 2020 — December 2020

- Built a data visualization recommendation interface that adapts to various datasets using Vega-Lite
- Implemented recommendation strategies including breadth-first search and depth-first search according to the approach introduced in Dziban
- Implemented bookmark that stores marked visualizations within the local storage

★ RECENT PROJECTS

Arcade-Chat
November 2019 — December 2019

- Demonstrate expertise in utilizing Node.js, Express, Mongoose, Socket.io, and Passport for designing a real-time chat application
- Recognized for exceptional software development skills and awarded the first position during the full-stack web development final project contest
- Leverage knowledge of database architecture by storing and retrieving data using MongoDB and Mongoose