Yuchen Liu

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Work Experience

Wortharead - *Software Engineer Intern - 07/2020 to 09/2020*
- Built highly reusable UI layouts and components with VueJS and Sass. Improved rendering performance with efficient state management and dynamic routing
- Designed data models and indexes in DynamoDB for complex queries
- Created RESTful APIs for data and asset pipelines to AWS DynamoDB and S3. Wrote Protocol Buffers to ensure uniformity and type safety of data

Projects

Meddit

A community app that uses diagnoses to help patients to find help groups. In NodeJS, built RESTful APIs and JWT user authentication. Created data models in Firebase.

SpaceX Countdown

ReactJS application with SpaceX API to display the SpaceX launches information. Used React state, context, effect hooks, and HOCs. Styled with React Bootstrap, CSS Flex, and Grid.

A clone of Bootstrap website

ReactJS site with Redux and Saga that's connected with Firebase. Styled with React Spring, MaterialUI, and CSS modules.

Skills

Programming: NodeJS, Java, Python, Ruby/Rails, C, ReactJS/Redux, VueJS, QuarsarJS, Sass, HTML/CSS/JS, PostgreSQL, SQLite, MongoDB, Firebase

Tools: Git, Unix, Jest, Framer

Awards

Best Use of UiPath - *HackNYU hackathon - 03/2020*
Worked on the backend to integrate and create API endpoints for frontend with NodeJS and ExpressJS. Created a robust blockchain digital wallet with Stellar API.

Education

New York University - *Computer Science and Data Science, BA - 09/2019 to 05/2023*
Relevant courses: Intro to Data Science, Calculus 3, Data Structure, Discrete Math, Computer System Organization