Yuchen Liu

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Work Experience

Samsung *- Incoming Software Engineer Intern - From 2/2021*

GPU SI Validation team

Wortharead *- Software Engineer Intern - From 7/2020 to 9/2020*

Built highly reusable UI layouts and components with VueJS and Sass.

Improved rendering performance with efficient state management and dynamic routing.

Created RESTful APIs and designed data models and indexes in DynamoDB for complex queries. Wrote Protocol Buffers to ensure uniformity and type safety of data.

Skills

Programming: NodeJS, Java, Python, C, Ruby on Rails, ReactJS, Redux, VueJS, Sass, HTML/CSS/JS, PostgreSQL, DynamoDB, Firebase

Tools: Git, Unix, AWS, Jest, GDB

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.

Sorting Algorithms Visualizer (open source)

Added new features including algorithms and dropdown menu with Python.

Awards

Best Use of UiPath *- HackNYU hackathon - 3/2020*

Built backend for a digital wallet with NodeJS and Stellar's blockchain API.

Education

New York University - *Computer Science and Data Science - From 9/2019 to 5/2023*

Relevant courses: Intro to Data Science, Calculus 3, Data Structure, Discrete Math, Computer System Organization