

YUCHEN LIU

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WORK EXPERIENCE

Software Engineer Intern

7/2020 - 9/2020

wortharead.app

- 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 that need fast performance.
- Created RESTful APIs for data and assets pipelines to AWS DynamoDB and S3. Wrote Buffer Protocols to ensure uniformity and type safety of data.

PROJECTS

Meddit

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

SpaceX Countdown

ReactJS application with SpaceX API 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, Material UI, and CSS modules.

SKILLS

- Programming: NodeJS, Java, Python, Ruby/Rails, C, ReactJS/Redux, VueJS, QuasarJS, Sass, HTML/CSS/JS, PostgreSQL, SQLite, MongoDB, Firebase
- Tools: Git, Linux, Jest, Framer

AWARDS

HackNYU, UiPath winner

Worked on backend to integrate and create API endpoints for front-end with NodeJS and ExpressJS. Created a robust blockchain digital wallet with Stellar API.

EDUCATION

NYU Courant Institute of Mathematical Sciences

2019 - 2023

CS and Data Science, BA

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