

YUCHEN LIU

(+1)949-432-1899 ✧ yl6448@nyu.edu

Personal website: <https://yuchenliu.me>

GitHub: <https://github.com/yuchenliu15>

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

Coronavirus globe

<https://github.com/yuchenliu15/coronavirus-globe>

NodeJS application with Google Cloud API and SQLite3 storage. Cleaned and processed the data before rendering the globe visualization with Three.js.

SpaceX Countdown

<https://spacetime.live>

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