Yuchen Liu

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Work Experience

Amazon - *Software Development Engineer Intern - From 6/2021 to 8/2021*

Created scalable API endpoints and version-controlled database table in Java backend.

Created an editor tool in React.js with efficient state management and reusable components.

Designed layout of AWS services and integrated it with the existing system.

Samsung - *Software Engineer Intern - From 2/2021 to 5/2021*

Created robust Python and Shell scripts for processing large data.

Effectively debugged concurrency, shell scripting, and other bugs.

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

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

Created RESTful APIs and designed data models and indexes in DynamoDB for complex queries.

Designed Protocol Buffers to ensure uniformity and type safety of data.

Projects

Bye DUO (300+ users on Chrome) https://github.com/yuchenliu15/bye-duo

A browser extension that helps to speed up logging into NYU. Built with ReactJS frontend and Python backend.

Meddit https://github.com/yuchenliu15/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.

Sorting Algorithms Visualizer (open source contributor)

Added new features including algorithms and dropdown menu with Python.

Skills

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

Tools: Git, Unix, Bash, AWS, CUDA, OpenMP, MPI

Education

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

Developer @ NYU BUGS Open Source Club (hosted ReactJS workshop, maintained website)

Courses: Calculus 3, Linear Algebra, Parallel Computing, Computer Systems