Yuchen Liu

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Work Experience

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

Designed and implemented the architecture and UI/UX for an editor tool in an existing system.

Created scalable API endpoints in Java backend with atomic transactions and versioning system.

Created interface for editor in React.js with efficient state management and responsive UI.

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

Created efficient Python/Shell scripts for data post-processing and GPU power analysis.

Effectively debugged concurrency, Shell, and other bugs in data extraction scripts.

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

Projects

Bye DUO (200+ users on Chrome, 7 stars on Github)

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

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

Tools: Git, Unix, Bash, AWS, Testing

Education

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

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