Yuanyuan Wu

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A permanent resident in U.S. and authorized to work for any employer

Actively seeking SDE/SWE position for 2024 | MS in Computer Science @ Northeastern University

Education

Northeastern University, Seattle, WA

Master of Science, in Computer Science, GPA 3.8/4.0   *Jan 2021 – Dec 2024*(expected)

   Related Courses: Database Management, Algorithms, Web Development, Computer Systems, Object Oriented Design, Discrete Structures, Intensive Foundations of Computer Science

Technical Skills

Programming Languages: Java, Python, C, MySQL, JavaScript, CSS, HTML

Framework / Tools: Spring Boot, Spring MVC, Django, Node.js, React, Redux, Express, Gradle, Git

Database / Cloud / Others: MySQL, MongoDB, JSP, Heroku, Docker, Tomcat, Sprint Board

Project Experience

[Full-Stack, JavaScript] My Travel Map   *Sep 2022 – Dec 2022*

- Established a **Full-stack** interactive map web application for users to obtain travel recommendations, search for attractions, leave reviews and interact with others. Deployed to **Netlify** and **Heroku**.
- The fronted is a SPA built utilizing React, React- redux, Leaflet framework and OpenStreetMap API.
- The backend **RESTful APIs** server supports **CRUD** operations on **MongoDB** database using **Node.js** and **Express** framework.

[Full-Stack, JavaScript] Social Media Website   *Sep 2022 – Dec 2022*

- Established a **Full-stack** social media web application including components of Posts, Like, Comments, Bookmarks, and Live Messages. Deployed to **Netlify** and **Heroku**.
- Created multiple responsive **frontend** web pages with **React.js,** styled with **HTML/CSS** and **Bootstrap.**
- Designed and implemented **RESTful APIs** with **Node.js** and integrated **MongoDB** for data storage.
- Tested RESTful Web service **APIs** and **UI** components rendering with **Jest** and **Post-man**.

[Backend, Java] Dash Bot   *Jan 2022 – May 2022*

- Designed and implemented a backend **Dash Bot** application for **Discord**, featuring restaurant search, e-commerce functionality, delivery process, and data management.
- Utilized **Gradle**, **Java, MVC structure**, and **Docker** for development, **MongoDB** for data storage, and **Git**, **GitHub**, **Sprint Board**, **IntelliJ**, and Discord for project management.
- Constructed **CRUD** operations to manage and retrieve data from MongoDB via **Fly.io**.

[Full-Stack, JavaScript] Seattle Airbnb Web Application   *Sep 2021 – Dec 2021*

- Created a full-stack Seattle Airbnb web application featuring user registration and login, search and sort functionality, rating and commenting system.
- Developed multiple responsive frontend web pages with **React.js, HTML/CSS** and **JavaScript**.
- Implemented **CRUD** operations using **MySQL** and MySQL Workbench, and **RESTful APIs** using **Node.js** and **Express** for handling **HTTP** requests and responses.
- Deployed the application to **Tomcat**

[Backend, Python] AI Connect Four Game   *Apr 2021 – May 2021*

- Created a graphical AI Connect Four game in **Python** using Processing for interactions and visualization of player moves.
- Designed and implemented a user-friendly interface, modified game parameters to increase difficulty and playability.
- Utilized a minimalist algorithm to improve the AI's decision-making and strategy.