

Yuanyuan Wu

[Email](#) [ePortfolio](#) [LinkedIn](#) [GitHub](#)

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

Actively seeking SDE/SWE position for 2025 | 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 2025

Related Courses: Database Management, Algorithms, Web Development, Computer Systems, Object Oriented Design, Discrete Structures, Intensive Foundations of Computer Science, Advanced Software Development, AI in Action(Boot Camp)

Technical Skills

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

Framework / Libraries: Spring Boot, Spring MVC, Django, Node.js, Express, React, Redux

DevOps / Cloud: Docker, Heroku, Tomcat, GitHub Actions, CI/CD, AWS

Database / Others: MySQL, MongoDB, CRUD, Sprint Board, Git, GitHub Projects, Jest, Postman

Project Experience

[Full-Stack, Java, Python] CI/CD System

Sep 2024 – Dec 2024

- Developed and modularized backend services, implemented **RESTful APIs** for seamless interaction between **CLI** and backend.
- Containerized applications using **Docker** and **Kubernetes**, enhancing deployment efficiency and scalability.
- Utilized **PostgreSQL** for reliable data storage and **Redis** for real-time log processing and caching.
- Used **GitHub Projects** and participated in daily **Scrum** meetings to collaborate with teams, streamlining the **CI/CD** pipeline and reducing deployment time by 40%, while improving system reliability and code quality.

[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 **Postman**.

[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 web application(like Airbnb) 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.