

Zhiwei Zhou (Wayne)

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EDUCATION

Master of Science in Computer Science

Northeastern University – GPA 4.0

Featured Courses: Data Structure & Algorithm, Object-Oriented Design, Software Engineering, Cloud Computing

Expected Graduation 05/2025

Seattle, WA

Bachelor of Arts in Architecture

University of Washington – GPA 3.5

06/2016

Seattle, WA

PROJECTS

Banana Maps – Hackathon Team Project

[URL: github.com/zz39/team_banana_hackathon/](https://github.com/zz39/team_banana_hackathon/)

- Awarded “**Best in Hack**” of **Northeastern University Hackathon 2023**.
- Designed and developed the application's user interface, navigation, and address search features using a blend of **JavaScript**, **HTML**, and **CSS**.
- Incorporated Mapbox's **HTTP API** for accurate distance calculations, enhancing the application's functionality.
- Conducted usability testing, verified location accuracy, and optimized performance for an improved user experience.

Modern Bank - Frontend Development

[URL: www.wayne39.com/](http://www.wayne39.com/)

- Built a responsive bank website page with Modern UI/UX using **Vite.js**, **React.js** and **Tailwind** that emphasized responsive design for optimal viewing on various devices and different window sizes.
- Deployed and configured the website from **Azure Static App** onto **Azure Front Door (CDN)**. Optimized the website's page load times by 40% (from 0.91s to 0.36s).
- Handled domain registration and security configuration. Routed the site to Azure Front Door through **DNS**.

Rideshare System: Drivers Validator and Simulator - Backend Development

[URL: github.com/zz39/RideShareSystem](https://github.com/zz39/RideShareSystem)

- Designed a rideshare system using **Java** and **Gradle** to validate prospective driver information.
- Applied **Object-Oriented Design** principles and employed **MVC** architecture, emphasizing a modular and scalable design. Implemented an efficient **API** in Java to facilitate seamless communication between system components.
- Executed thorough unit testing with **JUnit 5**, surpassing a 95% code coverage threshold, validated through meticulous Jacoco test coverage analysis, underscoring the system's reliability and robustness.

EXPERIENCE

WJL HomeServices

04/2021 to 03/2022

Operation Manager

Kirkland, WA

- Applied strong communication skills to liaise effectively with both property owners and renters, ensuring their needs were met and concerns addressed promptly. Established and maintained collaborative relationships with a network of 50+ vendors.
- Built a B2B customized workflow via AppFolio. Incorporated project-monitoring data visualization and real-time communication features that reduced communication time between the management team and vendors by 30%.

Perkins + Will

01/2019 to 03/2021

Architectural Designer

Seattle, WA

- Applied computer-aided design skills using Autodesk Revit, AutoCAD, Rhinoceros, and SketchUp to execute conceptual design, design development, and construction documents for high-rise, educational, and hospital projects.
- Served as the Technical Coordinator for two mixed-use projects, leveraging the BIM 360 Cloud platform to ensure efficient, on-time data delivery and alignment among design/engineering teams.

SKILLS

- Languages: Java, Python, JavaScript, C/C++, SQL, HTML/CSS, PHP
- Frontend: Data Visualization, React.js, Bootstrap, Vite.js, Tailwind
- Backend: Springboot, Django, Node.js, PostgreSQL, MongoDB, REST APIs
- Tools: Git, Docker, AWS, Azure, Matplotlib, Pandas