

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

Bachelor of Arts in Architecture

University of Washington – GPA 3.5

Seattle, WA

06/2016

Seattle, WA

PROJECTS

Banana Maps:

URL: 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 feature 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:

URL: 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**.

Alien Invasion:

URL: github.com/zz39/Pygame/

- Developed a 2D Arcade-style Shooter Game using **Python** and the **Pygame** library.
- Applied **OOD** principles and MVC design pattern to design gameplay mechanics, including ship movement, NPC behavior, collision detection, and scoring systems.

EXPERIENCE

WJL HomeServices

04/2021 to 03/2022

Operation Manager

Kirkland, WA

- Managed a portfolio of 500+ rental properties in Greater Seattle area, maintaining a 100% occupancy rate.
- Collaborated with a network of 50+ vendors, enhancing the company's maintenance capabilities.
- Built a B2B maintenance workflow via AppFolio, reducing communication time between management and vendor 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 data delivery and alignment among stakeholders.

SKILLS

- Java, Python, JavaScript, C/C++, SQL, HTML, CSS
- Frontend: Data Visualization, React.js, Bootstrap, Vite.js, Tailwind, Matplotlib
- Backend: Spring, Django, Node.js, MySQL, REST APIs
- DevOps: Git, Docker, AWS, Azure