

Zhiwei Zhou (Wayne)

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Summary

Motivated Computer Science graduate student eager to launch a career in software engineering and full-stack development. Seeking a challenging software engineering internship or Co-op opportunity with the potential for personal growth in software-related skills.

Skills

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

Education

Master of Science in Computer Science

Northeastern University
GPA: 4.0

Expected Graduation 05/2025

Seattle, WA

Bachelor of Arts in Architecture

University of Washington

06/2016

Seattle, WA

Projects

Banana Maps: (Northeastern University Hackathon 2023 Winner) URL: github.com/zz39/team_banana_hackathon/

- A collaborative Web Application to motivate users to embrace eco-friendly commute options by providing footprint comparisons and "banana points" incentives. **"Best in Hack" Award** of NEU Hackathon 2023.
- Designed and developed the application's user interface using a blend of **JavaScript**, **HTML**, and **CSS**, ensuring a seamless and engaging user experience.
- Incorporated Mapbox's **HTTP API** for accurate distance calculations, enhancing the application's functionality.
- Conducted usability testing, location accuracy verification, and performance optimization.

Modern Bank: A Static Web Project Using React.JS

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 performance, including page load times and responsiveness.
- Handled domain registration and security configuration. Routed the site to Azure Front Door through **DNS**.

Alien Invasion: A 2D Arcade-style Shooter Game

URL: github.com/zz39/Pygame/

- Developed the game using **Python** and the **Pygame** library. Applied **OOD** principles to design gameplay mechanics, including ship movement, NPC behavior, collision detection, and scoring systems.

Experience

Operations Manager

04/2021 to 03/2022

WJL HomeServices

Kirkland, WA

- Oversaw residential property conditions for 500+ rental properties in Seattle Area with 100% customer satisfaction. Outreached 50+ subcontractors and vendors to promote company's maintenance capability.
- Designed and deployed a maintenance workflow via AppFolio to enhance vendor management that reduced internal communication time by 30%.

Architectural Designer

01/2019 to 03/2021

Perkins + Will

Seattle, WA

- Performed conceptual design, design development, and construction docs for two high-rise structures, an educational facility, and two hospital projects.
- Served as the Technical Coordinator for two mixed-use projects hosted on the BIM 360 Cloud platform. Achieved on-time delivery of project data, fostering alignment among all stakeholders.