**Z**hiwei Zhou (Wayne)

Software Developer/Engineer ⋄ Seattle WA ⋄ (206)960-8669 ⋄ [zzwwayne39@outlook.com](mailto:zzwwayne39@outlook.com) ⋄ zz39.github.io/ ⋄ [linkedin.com/in/waynezhou39/](https://www.linkedin.com/in/waynezhou39/)

# EDUCATION

Master of Science in Computer Science **Expected Graduation 05/2025**

Northeastern University – GPA 4.0

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

Bachelor of Arts in Architecture **06/2016**

University of Washington – GPA 3.5 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