

TERESA NGUYEN

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Projects

Restaurant Review (In-Progress)

[Source Code](#)

- Spearheading the end-to-end development of a web application allowing users to add, rate, and comment on restaurants, utilizing Java and Spring Boot for the backend.
- Integrated H2 as an in-memory database to facilitate rapid development and testing of the application's data management features.
- Leveraging TypeScript, React, and Vite for the frontend, creating a responsive and dynamic user interface that ensures a smooth user experience.
- Implemented RESTful APIs to enable seamless communication between the frontend and backend, ensuring efficient data handling and retrieval.
- Managing all aspects of the project, from design and development to testing and deployment, demonstrating full-stack development skills.

Personal Portfolio Website

[Website](#)

- Designed and developed a responsive personal portfolio website using HTML, CSS, and vanilla JavaScript, showcasing projects, skills, and experiences.
- Crafted a clean, intuitive layout with well-structured HTML and modular CSS, ensuring cross-browser compatibility and mobile responsiveness.
- Utilized browser developer tools to test responsiveness across various screen sizes and devices, and performed cross-browser testing on Google Chrome and Safari. Verified performance on actual mobile devices to ensure consistent functionality and appearance.
- Implemented foundational web accessibility practices, including the use of semantic HTML and ARIA roles, to enhance the usability of the website for individuals with disabilities.

Animal Adoption Matching App

[Source Code](#)

- Led a team of three through weekly sprints using Agile methodologies, managing project timelines and delegating tasks effectively. Enhanced leadership skills by guiding the team through iterative development cycles, ensuring timely delivery, and fostering collaboration through regular check-ins and feedback sessions.
- Led the development of a cross-platform mobile application designed to facilitate animal adoptions by connecting shelters and rescue organizations with potential adopters.
- Created detailed wireframes and prototypes in Figma, establishing the foundation for a user-friendly and visually appealing mobile experience on both iOS and Android platforms.
- Developed robust back-end logic using Node.js, Express, and MongoDB, ensuring seamless integration with the mobile front-end.
- Implemented RESTful APIs to enable real-time communication between the app and the server, enhancing the user experience with smooth, asynchronous operations.

Food Cart Ordering System

- Developed a database-driven food cart ordering system that allows customers to seamlessly order from multiple food carts within the same pod.
- Designed and implemented a database schema using MySQL and MySQL Workbench, ensuring efficient data management and retrieval across various customer orders and food cart operations.
- Gained experience with SQL by writing queries to interact with the database, performing CRUD operations.

Food Diary

[Source Code](#)

- Developed a food diary tracker web application using Python and Flask, enabling users to log and monitor their daily food intake.
- Collaborated with a teammate, who developed a Python-based web scraper that acts as a microservice, automatically fetching nutritional information from external sources to enhance data accuracy and streamline user input.
- Architected a modular microservice structure, where individual services operate independently, enhancing the scalability and maintainability of the application.
- Implemented inter-service communication using RESTful APIs, ensuring efficient data exchange between the main application and the web scraper microservice.

Technical Skills

Languages: Python, JavaScript, Java
Backend: Flask, Node.js, Express.js, Spring Boot
Frontend: React, React Native, Typescript, HTML, CSS
Databases: MySQL, MongoDB, H2
Developer Tools: VS Code, GitHub, Xcode, Expo

Education

Oregon State University <i>B.S in Computer Science</i>	Current - December 2025
Portland Community College <i>AAS in Dental Hygiene</i>	2016 - 2018
Oregon State University <i>B.S in BioHealth Sciences</i>	2012 - 2015

Work Experience

Oak Street Dental <i>Lead Dental Hygienist</i>	August 2018 – Current
<ul style="list-style-type: none">Supervised and mentored a team of dental hygienists and assistants, fostering a collaborative environment and ensuring high standards of patient care and team performance.Streamlined patient care processes, resulting in improved patient throughput and reduced wait times, reflecting an ability to optimize workflows.Implemented new procedures and protocols to enhance operational efficiency, demonstrating an ability to identify areas for improvement and drive positive change.Trained new staff on best practices and protocols, illustrating skills in knowledge transfer and team development.	