

EDUCATION

Corvallis, OR	Oregon State University	Expected: Fall 2024
<ul style="list-style-type: none">B.S. in Computer Science. GPA: 3.88<i>Completed Coursework:</i> Intro to Computer Science I & II; Discrete Structures; Computer Architecture and Machine Assembly; Web Development; Data Structures		

PROJECTS

Othello - PyCharm Application

<https://github.com/dianna-SE/othello-pygame>

- Created Othello in PyCharm, focusing on designing algorithms and problem-solving to balance a fun and challenging game that appeals to players of all skill levels.
- Used object-oriented programming (OOP) principles and data structures to ensure a smooth gameplay and added user-friendly controls and visual cues to enhance player immersion.
- Integrated a player-based turn system to make the gameplay more interactive, improving overall user engagement and offering a more authentic Othello experience.

Website Portfolio – Full-Stack MERN Application

<https://github.com/dianna-SE/mern-website-portfolio>

- Constructed a responsive portfolio website using the MERN stack (MongoDB, Express.js, React, and Node.js) as part of a comprehensive web development course.
- Utilized JavaScript along with MongoDB for database handling, React for frontend, and Express.js for the backend to enable smooth real-time updates and a cohesive user experience.
- Implemented CRUD (Create, Read, Update, Delete) operations using asynchronous calls and Express.js routing, allowing users to easily manage and interact with content on the site.

HashMap – Portfolio Assignment

<https://github.com/dianna-SE/osu-261-assignment-6>

- Integrated a HashMap using open addressing and separate chaining techniques with dynamic arrays and linked lists, specifically focusing on collision resolution.
- Identified and fixed complex issues within the code and adhered to complexity constraints to deliver data structure solutions through strong analytical abilities.
- Gained hands-on experience working with runtime complexities, strategies for balancing load factors, and class-object relationships, contributing to an optimized and well-structured codebase.

LANGUAGES AND TECHNOLOGIES

- Python; JavaScript (ES6); HTML; CSS (SASS)
- Django; React (CRUD operations); REST APIs; MongoDB; Git; Visual Studio Code; PyCharm; Visual Studio

EMPLOYMENT

Shift Supervisor	Villa Dolce Melt LLC	Sept 2018 - Present
<ul style="list-style-type: none">Effective Leadership: Led and trained staff with effective communication within teams, skills applicable to leading software teams to drive project success.Strong Conflict Resolution: Resolved customer issues while ensuring precision, showcasing the ability to coordinate tasks and problem-solving, crucial in software project management.Team Development: Fostered teamwork and employee growth, reflecting a positive software development environment.		