

Nicholas Bowden

bowdenn@oregonstate.edu
<https://www.linkedin.com/in/nicholas-bowden/>

360-460-4260
www.nicholasbowden.com

SKILLS

Languages: JavaScript, HTML, CSS, Python, SQL

Software & Frameworks: Node.js, Express.js, React.js, MySQL/MariaDB, MongoDB, Git/Github, Jira

PROJECTS

CrowdFlow – SQL database project with web-based UI utilizing a RESTful architecture. Simulates the CrowdFlow Ticketing System admin interface for database management. Developed with a team of 2.

- Designed with full schema, ERD, and project proposal extensively reviewed by peers throughout all stages.
- Developed multiple pages each with CRUD functionality and dynamically updated.
- Modeled variety of database relationships with use of foreign keys and constraints.

Blog List – full-stack single page blog list application designed with React.js, Node.js, and MongoDB hosted on Heroku. Logged in users can post blog links on a public wall for others to like.

- Engineered Backend with Node.js and Express.js while using Mongoose to communicate with MongoDB.
- Built Frontend built with React.js Styled Components, and Axios.
- Created End-to-End testing suite using Cypress with help from Jest and Supertest for unit testing.

DFS/BFS/Dijkstra's – Python implementations of the depth-first, breadth-first, and Dijkstra's search algorithms for graphs.

- Implemented functionality for both directed and undirected graphs.
- Applied adjacency lists and matrices to find valid paths, connected nodes, cycles, and edge cases.

EDUCATION

Oregon State University

2020 – Expected 2022

Bachelor of Science in Computer Science

- 3.95 GPA, Post-baccalaureate program
- Course highlights: Software Engineering, Data Structures, Algorithms, Web Development, Databases

Eastern Washington University

2011 – 2015

Bachelor of Arts in Music

- 3.6 GPA, Dean's list for 6 quarters
- Elected section leader of the drumline for 2013/14 and 2014/15; led rehearsals for the 30-person drumline and performances involving the 300+ person band.

WORK EXPERIENCE

Dungeness Valley Landscaping

2017 – Current

Equipment Operator, Website Manager

- Overhauled existing CMS website leading to an 80% increase in web traffic and a higher SEO ranking.

Casual Friday Donuts

2016 – 2017

Lead Day Baker, Cashier

- Streamlined existing daytime baking process consolidating total donut production time by 50%.

Boys & Girls Club

2015 – 2016

Staff Member

- Coordinated with teams of 2/ 3 staff members to devise curriculum and facilitate summer programs for groups of up to 30 children ranged K-12.
- Mentored in one-on-one or small group sessions to help youth navigate problems or process emotions.
- Provided a positive, patient, and stable role model.