




Ben Roth

 Salem, OR
 971-208-8378
 br.roths@gmail.com

Profile

I am a motivated undergraduate Computer Science student seeking a job or internship opportunity. I thrive in fast-paced environments and readily learn whatever skills and technologies are necessary to solve a given problem; my abilities are not confined by my existing skill set.

Currently, I am most proficient in **C++**, **C#**, **Python**, and **MySQL**. I have been named on the **honor roll** nearly every term thus far at Western Oregon University and recognized as the **valedictorian** of the Class of 2021 at Cascade Senior High School. I am enthusiastic about breaking into the industry and expanding my technical repertoire.

Skill Set

Languages:	C/ C++, C#, Python, JavaScript
Client-Side:	JavaScript, CSS, HTML5, JSON
Server-Side:	C#, Node.js
Libraries:	jQuery, Bootstrap5, Dash, Plotly
Frameworks:	.Net Core, ASP.NET MVC
Databases:	MS SQL Server, MongoDB, MySQL, MongoDB Atlas
Tools:	Visual Studio, Visual Studio Code, Git, GitBash, GitHub, SourceTree
Applied Concepts:	OOP, Modularity, UX Design, Normalization, Data Validation, Dynamic Programming

Projects

UFC Match History and Statistics Database.

- Contains over **7,000 records** of UFC fights, including the participants, the location and date, the outcome of the fight, and match statistics.
- Written in **MySQL** and implemented in **3rd normal form**.
- DB includes useful **functions**, **stored procedures**, **triggers**, and **views**.

Hiking Database Web Application

- Provides a visual representation of a database of hiking locations and their trails including administrative access to the DB via the application UI.
- Created using **JavaScript**, **HTML**, **CSS**, **Bootstrap 5**, **Node.js**, **MongoDB Atlas**, and **Git**.
- Access to **CRUD operations** on all records directly within the application.

UFC Fighter Statistics Dashboard

- This Interactive dashboard allows users to select one of the nearly **2,400 fighters** who have fought in the UFC. Once selected, various charts display the fighter's UFC record, methods of victory, and match history.
- Written in **Python** using the following libraries: **Dash, Plotly, Pandas, and dash_bootstrap_components**.

Film Library Web Application

- Provides access to just under **8,000 Records** of movie titles, their release date, ratings, etc. via query as well as the ability to add missing records to the library.
- Created using **C#, HTML, CSS, Bootstrap 5, JavaScript, LINQ, jQuery, the ASP.NET MVC Framework, and Git**.
- Currently no backend database, simply a local file.

Education

Western Oregon University

- **Bachelor of Computer Science** | *Expected Graduation: June 2025*
- Cumulative GPA: **3.89**
- Relevant courses: **Web Development, Database Management, Software Testing, Algorithms Data Visualization**

Work Experience

Instructor, Combat Sports Center

Salem, OR | January 2024– Present

- Sole instructor for multiple classes focused on ground fighting techniques and the skill and methods of taking opponents to the ground.
- Developed self-directed class curriculums and schedules.
- Conducted private lessons to provide personalized feedback to students.
- Responsible for gym facility maintenance and ensuring property security.

Delivery Driver, Domino's Pizza

Salem, OR | September 2022 – Present

- Operated personal vehicle for timely and efficient food deliveries in a fast-paced environment.
- Demonstrated strong decision-making skills to navigate traffic, manage delivery routes, and meet delivery deadlines.
- Maintained a flawless driving record and ensured vehicle upkeep.
- Handled store cash and customer payments accurately.
- Effectively interacted with customers, resolving issues, and providing exceptional service.