

## Brandon Hofbauer

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### EDUCATION

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#### Oregon State University

Mar 2022 – Current

Major: B.S. Computer Science | GPA: 3.92/4.00 | Expected Graduation: March 2024

Relevant Coursework: Web Development, Data Structures, Databases, Architecture & Assembly, Software Engineering I & II, Algorithms, Operating Systems, Android Mobile Development

#### University of Washington

Sep 2014 – May 2018

Major: B.A. Public Health | GPA: 3.51/4.00

### WORK EXPERIENCE

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#### Pulp Pours, Software Engineer Intern

Dec 2023 – Current

- Helping develop a new website for a smoothie catering company
- Leading the exploration of a new feature that will integrate 3D experiences into the website
- Researching 3D Gaussian Splatting as the primary technique for integration
- New site being developed with Astro and Web Components

#### Roots Young Adult Shelter, Program Supervisor

Sep 2018 – Mar 2021

- Responsible for maintaining the day-to-day operations of a young adult housing program

#### Queen Anne Manor Senior Living, Medication Technician

Jan 2016 – June 2019

- Responsible for medication distribution, blood glucose monitoring, and insulin administration

### PROJECTS

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#### Ad Infinitum

Dec 2023 – Current

- Collaborating on a small video game using the Godot Engine and GDScript
- A 2D rendered game, where defeating endless waves of enemies drop resources, allowing some gameplay customizability for the player, with some meta progression
- Inspired by the Vampire Survivors subgenre

#### MTG Random Generator | ([github.com/brandonhofbauer/magic-deck-generator](https://github.com/brandonhofbauer/magic-deck-generator))

Mar 2023

- Built a full-stack React web application for generating playable Magic the Gathering decks
- The application accepts user inputs before generating a JSON object representing a deck
- Implemented a Node backend service using Express and the Scryfall API to fetch card objects

#### Ramen Shop DBI | ([github.com/brandonhofbauer/ramen-shop-data-interface](https://github.com/brandonhofbauer/ramen-shop-data-interface))

Mar 2023

- Built an admin panel web application for a fake ramen shop
- Implemented as a Node + Express backend service with a MySQL database
- Server-side rendered frontend implemented with Handlebars, HTML, CSS, and JavaScript
- Implemented basic CRUD functionality to manage data

#### Exercise Web App | ([github.com/brandonhofbauer/exercise-web-tracker](https://github.com/brandonhofbauer/exercise-web-tracker))

Dec 2022

- Built a full-stack React-based web app for tracking a person's exercise routines
- Implemented a Node backend service using Express, MongoDB, and Mongoose
- Managed application communication via REST

### SKILLS

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**Languages:** Python, JavaScript, Node, HTML, CSS, SQL, C, GDScript, Kotlin

**Tools:** PyCharm, VS Code, Visual Studio, React, Godot, Android Studio, MongoDB, Mongoose