

# CHASE VERBOUT

Portland, Oregon | 360.990.9523 | [cverbout@pdx.edu](mailto:cverbout@pdx.edu) | <https://cverbout.github.io>

## EDUCATION

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<b>Portland State University</b> M.S. Computer Science	Expected Graduation June 2024, Portland, OR Cumulative GPA: 4.00
<b>Portland State University</b> Postbaccalaureate Computer Science	Sept. 2021 – Dec. 2022, Portland, OR Cumulative GPA: 4.00
<b>The University of Washington</b> B.A. Major in Geography: Data Science	Sept. 2017 - June 2021, Seattle, WA Cumulative GPA: 3.54

## TECHNICAL & COMPUTER SKILLS

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**Programming:** C, C++, C#, JavaScript (React), Python, R, HTML, CSS, SQL

**Environment:** Windows, Linux, Unity, ASP.NET, Vim, Visual Studio, Visual Studio Code

**GIS:** QGIS, ArcGIS, OpenStreetMap

**Database:** PostgreSQL, MySQL

**Additional Knowledge:** Git, GitHub, Microsoft Office, Scikit-learn

## WORK EXPERIENCE

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### Technical Course Support Specialist | PSU Comp. Science Department | Portland, OR | Sept. 2022 – Present

- Assisted professor with instructional responsibilities for undergraduate CS courses: Intro to Computer Science and Data Structures. Topics covered data types, variables, conditions, loops, functions, and arrays, data abstraction, static vs dynamic, and pointers using linear linked list and tree structures.
- Provided tutoring support and guidance for 20+ students to promote academic success in coursework.
- Graded student programming assignments and algorithms to encourage improved code readability and functionality.

### Volunteer | PSU Computer Action Team (CAT) | Portland, OR | Sept. 2021 – Dec. 2022

The CAT provides IT support for platforms, large scale computer labs, servers, and physical network at PSU.

- Provided technical support to solve various technical issues for students, faculty, and staff.
- Operated the front desk to assist any walk-in users and maintain surrounding lab rooms.
- Diagnosed user emails and searched for potential solutions and disseminated information from supervisors.

### Open-Source Project Management Intern | King County Metro (KCM) | Seattle, WA | May 2021 – Sept. 2021

Collaborated on an open-source project (CommonPaths) to develop a centralized data collection and distribution system for pedestrian infrastructure.

- Designed technical documentation for CommonPaths delivering resources for open-source licensing, purpose, process, and GitHub source code management.
- Coordinated with the software development and KCM Accessible Services teams acting as a liaison to facilitate communication, manage project timeline, and advising on best practices.
- Constructed a short, mid, and long-term plan for CommonPaths as aligned with the goals of KCM.

## PERSONAL EXPERIENCE

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### Personal Portfolio Webpage | Web Development | Summer 2022

- Created a personal portfolio utilizing React JSX, HTML, and CSS.
- Acquired the knowledge necessary to write using JSX and employ the React library.
- Generated a workplan for timely completion of portfolio components and developing criteria for a quality job.

### 2D Unity Minigame | Game Development | Fall 2021

- Conceived the plot, objective, and rules to give the game purpose and structure.
- Programmed using Unity Game Engine and Visual Studio (C#) combining imagery, sound, movement, and control.
- Researched sprite development and art editors in order to design and implement my own characters.