

# Matheus Werneck

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## Education

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**University of Washington | Seattle/Bothell, WA**  
**Computer Science and Software Engineering Major**  
**Applied Mathematics Minor | Expected 06/2027**

- **GPA:** 3.8
- **Relevant coursework:** Calculus (1, 2), Java Programming (1, 2), Data Structures and Algorithms (C++)

## Projects

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### Grapple Planets

- Designed and developed an original 2D game using Godot as part of a team/individual entry for a national competition.
- Programmed core gameplay mechanics, user interface, and level design using C#, creating a fully playable experience.
- Implemented features such as collision detection, score tracking, and animation integration. Collaborated with peers on asset integration, debugging, and version control, showcasing technical communication and agile workflow.

### Password Generator

- Designed a password generator that would create random, secure passwords
- Optimized the generator so that it would run efficiently while staying secure
- Modified the Code to be compatible with a web browser as an extension

### Tic-Tac-Toe Simulator (Academic Project)

- Simulated a Tic-Tac-Toe Board as a class in Java
- Implemented a system to calculate every possible outcome of a game of Tic-Tac-Toe
- Translated the outcomes into a tree where every node is a different possible move in Tic-Tac-Toe

### Global Game Jam 2026 Bitmask Carnival

- Participated in the 2026 Global Game Jam with the UWB Husky Game Dev club
- Created a puzzle system that combined complex UI elements with backend code
- Collaborated with a UI, art, and sound team to efficiently implement the project without many Git conflicts
- Worked efficiently as the game jam took place over 47 hours.

## Skills

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- **General Skills:** Time management, Calculations, Problem Solving, Collaborative Problem Solving, Leadership, Git
- **Programming Languages:** Java, C++, C#, Python
- **Operating Systems:** Linux (Arch)

## Relevant Experience

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**Vacasa | Bainbridge Island, WA**  
**House Cleaner | 06/2025 - 09/2025**

- Actively engaged in a continuous cycle of independent and collaborative work to execute a comprehensive cleaning and preparation process for Airbnb properties.
- Meticulously deep-cleaned throughout the house
- Systematically managed inventory
- Coordinated with team members to ensure each property met the highest standards of guest readiness.