

# SAMUEL BEAL

## EDUCATION

<b>Moscow, ID</b>	<b>University of Idaho</b>	<b>Fall 2023 – December 2025</b>
<ul style="list-style-type: none"><li>B.S in Computer Science, December 2025. GPA: 3.79/4.0</li></ul>		
<b>Auburn, WA</b>	<b>Green River Community College</b>	<b>Fall 2021 – June 2023</b>
<ul style="list-style-type: none"><li>Associate in Arts, June 2023. GPA: 4.0/4.0</li></ul>		

## SKILLS

- C++; Python; React; C#; JavaScript; HTML; CSS; Java; Flask; SQL; Git; UNIX.
- Coursework: Data Structures; Computer Architecture; Operating Systems; Linear Algebra; Calculus II; Software Engineering; Database Systems; Theory of Computation; Probability & Statistics;

## PROJECTS

**Personal Website:** [www.sambeal.dev/portfolio](https://www.sambeal.dev/portfolio) (for additional information and projects)

### **Crafty3D – Winner at CrimsonCode 2024 Hackathon WSU ([GitHub](#), [devpost](#))**

- Built a Minecraft clone with Voxel rendering and Perlin noise in 24 hours.
- Primarily worked on building shaders, UI, Perlin Noise generation, and factoring the codebase.
- Utilized: C++, Raylib, stb, zig, Git.

### **Spotify Utilities**

- Used Spotify API to redirect a user to login to their Spotify account.
- Developed features such as creating a Saved Weekly playlist.
- Utilized: Python, Flask, Git.

### **2D Platformer**

- Developed exploding snowmen, following camera, infinite map, gravity, velocity, acceleration, collision.
- Used Raylib to render graphics for the game, Kenney game assets for the tile set.
- Utilized: C++, Raylib, Kenney.nl assets.

## EMPLOYMENT

### **Tutoring & College Success**

<b>Academic Tutor</b>	<b>University of Idaho</b>	<b>Sep 2024 – Present</b>
<ul style="list-style-type: none"><li>Directly worked with a diverse range of students &amp; topics.</li><li>Expanded my ability to adapt and articulate complicated concepts.</li></ul>		

<b>Supplemental Instruction Tutor</b>	<b>University of Idaho</b>	<b>Aug 2024 – Sep 2024</b>
<ul style="list-style-type: none"><li>Designed and executed session plans to support students in Calculus I</li><li>Honed leadership &amp; interpersonal skills through guiding students.</li></ul>		

<b>Countertop Installer</b>	<b>Solid Surface Solutions</b>	<b>May 2024 – August 2024</b>
<ul style="list-style-type: none"><li>Stepped out of my comfort zone and installed quartz, granite and marble countertops across WA.</li><li>Developed great attention to detail for high quality installations.</li><li>Worked directly with patrons using a customer-first mindset.</li></ul>		

<b>Eagle Scout</b>	<b>Boy Scouts of America</b>	<b>Sep 2016 – Aug 2022</b>
<ul style="list-style-type: none"><li>Led a troop of 30-40 people through servant leadership for 12 months.</li><li>Organized and built a 90 by 3-foot concrete path at Vine Maple Place.</li><li>Developed valuable work ethic, composure, and communication skills.</li></ul>		

## ADDITIONAL EXPERIENCE AND AWARDS

- Valedictorian @ Enumclaw High School:** Graduated HS with an associate degree and a 4.0/4.0 GPA
- Dean's List @ Green River College.** 4.0/4.0 GPA
- University of Idaho Water Polo Club** (2023-Present)
- University of Idaho CS Club** (2024)