

Nathaniel Wood

nathanielgwood@gmail.com ◆ (541) 631-1106 ◆ Corvallis, OR

www.linkedin.com/in/ngwood03

EDUCATION

Oregon State University

June, 2025

BS, Computer Science - Simulation and Game Programming (GPA: 3.36)

Corvallis, OR

- **Relevant Coursework:** Software Development I & II; Operating Systems; Data Structures; Algorithms; Web Development; Cyber Security; Computer Architecture; Computer Graphics; Parallel Programming
- **Extracurricular:** Game Development Club member since 2022

PROJECTS

Randomized Rhythm Game

Final Project - Software Development

- Used the open source Godot engine to develop a Guitar Hero-esque rhythm game.
- Integrated a microservice that would send the game a randomized array of tuples used to dynamically generate notes and audio.

Smallsh

Portfolio Project - Operating Systems

- Developed a custom Unix-like shell in C, featuring several built-in commands and the capability to run non-built-in commands through child processes.

One-Time Pad

Project - Operating Systems, Cyber Security

- Coded several C programs to function together as a CLI server/client application for encrypting and decrypting messages using the one-time pad cipher.

Voxelization GLSL Shader

Final Project - Computer Graphics Shaders

- Created a GLSL geometry shader that would transform the geometry of an object into cubes.
- Wrote a fragment shader script to pixelate the object's bmp texture in unison with the voxelization.

SKILLS

- **Languages:** Python; C; C++; Java; JavaScript; GDScript; ASM; GLSL; HTML
- **Technologies:** Git; GitHub; Linux; Visual Studio; Vim; Excel; Node; Jest; React; Express; OpenGL; OpenCL; OpenMP; CUDA
- **Personal Interests:** Game Development; Software Development; Music Production; Fitness

WORK EXPERIENCE

GoodBean Coffee

June 2020 – June 2021

Cook

Medford, OR

- Efficiently prepared and completed dozens of orders in a fast-paced environment.
- Engaged in continuous and effective communication with peers to ensure fantastic food for guests.

Porters

November 2019 - June 2020

Food Runner

Medford, OR

- Demonstrated speed, efficiency, and strong social skills by plating and delivering high-end meals to dozens of guests each night.
- Became versatile and proficient in assisting coworkers across various roles.