




FOREST HEIMS

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PROFILE:

Detail-oriented full stack software developer seeking a full-time or contract position. With experience in both team and individual settings, I am confident in my ability to plan, develop, and test software. I am dedicated to taking ownership of my work and learning as necessary to ensure success. Compassion, communication, and efficiency are some of the interpersonal traits I bring to teams and my work.

EXPERIENCE

MINESWEEPER 3D

2023

A space themed remake of Minesweeper in 3D

- Taught myself the Unity game engine as well as C# for Unity Scripting

SYNETHSIZER

2023

An interactive visualizer that uses math to generate mesmerizing patterns

- Learned to utilize the react-three-fiber library
- Currently continuing to add features and investigate optimizations

GEO-TONE

2022

A social network built around a browser based audio sequencer

- I primarily contributed writing backend routes and tests using Express
- Capstone project for Alchemy Code Lab

PIXL

2022

A simple browser based pixel art editor

- Led the team through the logic required to complete many features
- Prioritized psychological safety, which had astounding results for us

THREE TWO

2022

Three.js demo project: dynamic animation based on keyboard input

- Explored 3D mathematics in order to intentionally move and rotate an object

THREE ONE

2022

Three.js demo project: rendering a scene, camera controls, & raycasting

TONE TINKER

2022

Tone.js demo project: A simple piano

RECENT EMPLOYMENT

FREELANCE GAME DEVELOPER

JAN - FEB 2023

Completed a contract to build a web based 3D Minesweeper game in Unity

SOFTWARE DEVELOPER TEACHER ASSISTANT

AUG - DEC 2022

Employed at Alchemy Code Lab to assist students and teachers with the Advanced Full Stack JavaScript Program

- I was asked to come back for a second contract when a last minute replacement was needed.

TECH STACK

Languages: HTML, CSS, PostgreSQL, Bash, C#, JavaScript, TypeScript, TCP/IP

Libraries / Frameworks: React.js, Express.js, Node.js, Vue.js, Jest, React Testing, fetch, RESTful API's, three.js, tone.js, Redux

Tools: Netlify, Heroku, Supabase, Git, GitHub, Visual Studio Code, Slack, Discord, Unity, Blender, VMware

OS Fluency: Windows & Linux (Ubuntu, Fedora, Debian, Kali)

EDUCATION

HUMBOLDT STATE UNIVERSITY

2011 - 2015

- Graduated with a BS in Chemistry, Biochemistry option
- Received a Scholarship for a Computational Chemistry project proposal
- Minored in Asian Aspects of Philosophy and Studio Art (Printmaking focused)

ALCHEMY CODE LAB

2021 - 2022

- Completed a six month full-time coding bootcamp for Advanced Full Stack JavaScript