

SKILLS

Coding

.Net

AutoHotKey (AHK)

Bootstrap

CSS

Express.js

HTML

Ionic

JavaScript

JQuery

JSON

MarkDown

Node.js

PHP

Python

React

React Native

Redux.js

RegEx

Software

Docker

Insomnia

Firestore

MongoDB

MySQL

SQLite

git

github

gitlab

AWS

Azure

Firebase

Google APIs

Agile Methodology

VMware

VS Code

Misc.

Professional

Advanced

Intermediate

Beginner

Want to learn more?

Visit my portfolio:

<https://vfos.dev/>

EXPERIENCE

Professional Experience

Software Engineer - Matraex Inc.

January 2023 - August 2023

- Did full stack development on multiple web/app projects for clients
- Created scripts to automate tasks, making development faster and smoother
- Worked with the team to improve processes and increase documentation standards
- Made flexible tools and reusable features that are used across several projects
- Presented work to clients and responded to their feedback
- Collaborated with teammates, giving them feedback on problem solving and code optimization

Software Developer - GIMM Works

January 2020 - January 2023

- Worked with other student developers on unique software projects for clients
- Led back-end dev on several projects
- Did full stack development and 3D modeling for multiple projects
- Helped other teams implement security features on their projects
- Mentored two new hires to help them learn React

GIMM Senior Peer Mentor - Boise State GIMM Program

July 2018 - December 2019

- Helped current GIMM students with debugging and gave advice about their code
- Assisted other peer mentors when they got stuck
- Presented previous projects of the department to prospective students and clients
- Managed checking out equipment to other students

Work/Group Projects

High Call Rodeo (<https://app.highcallrodeo.com>)

July 2023

- Audited the client's original codebase prior to beginning work
- Did a gap analysis of where the project currently was and how much more was desired by the client
- Documented my discoveries
- Reviewed the client's cloud services to increase security

Sales Trak (<https://salestrak.io>)

January 2023 - July 2023

- Refactored and optimized several pages and API calls
- Made custom JavaScript solutions that worked for both mouse and touch
- Added custom CSS animations
- Created many dynamic and reusable features that are used in various places in the app
- Documented the project for offboarding to the client
- Made the site desktop and phone friendly with only an iPad design

Rio Genesis (<https://riogenesis.com>)

June 2023 - July 2023

- Created a script that would automatically upgrade the codebase to PHP8
- Worked through warnings and errors that were remaining after the upgrade
- Implemented ecommerce using the USAePay API

Black Sage Tech

January 2023 - February 2023

- Created responsive visual features within the app
- Integrated API calls from Black Sage's back end
- Found, documented, and notified Black Sage of vulnerabilities in the app
- Created a React component that worked well with class and functional hooks

MotorPool Services (<https://motorpooldrivercertification.com>)

August 2022 - January 2023

- Created the test functionality
- Added the ability for users to create dynamic quizzes
- Implemented UI/UX designs from team members
- Added PDF creation and signing
- Implemented password recovery via the server sending automated emails

Bronco Beam (BEAM Tours) (<https://broncobeam.com>)

December 2020 - July 2022

- Refactored existing Node.js server to be more scalable and secure
- Created web admin portal using Google Maps API to allow universities to create and manage custom campus tours
- Wrote a tour pathfinding algorithm for the mobile app based on the user's available time for a tour
- Converted functional React Native app to a class-based implementation with Expo
- In the [App Store](#) & [Play Store](#)

All in Favor (<https://www.allinfavor.org>)

September 2021 - January 2022

- Wrote a custom networking system for the game in Node.js using Socket.IO, including the ability to reconnect to current games
- Minimized the amount of information bouncing from client to server to improve performance
- Worked with front-end developers to help them patch up security

The Simple Ring Alpha

October 2020 - December 2021

- Worked for the founders of The Simple Ring on a consumer based mobile app
- Wrote the backend data storage structure, designed and implemented the frontend UI, and integrated Firebase into the app
- Prompted improvements in code quality and structure that affected both the frontend and the backend

ABC Stories (<https://www.abcstories.org/about>)

April 2020 - December 2020

- Created an API for the website and app
- Wrote algorithms to compute statistics about users' performance within the app
- Secured data using bcrypt and jwt tokens
- Designed an account hierarchy so that accounts can manage and view accounts under them
- Linked the server with a SMTP server to help with account management through email
- Reformatted and styled the frontend of the website with React
- In the [App Store](#)

Personal Projects

Resume Builder (<https://vfos.dev/resume?create=1>)

August 2022 - Present

- Populated the resume with information gathered from the data used in my portfolio website
- Created custom CSS formatting
- Made the resume preview ediable
- Included toggle between eye-friendly and print-friendly versions
- Added configurations like convering it to a one page document, page outlines, hiding sections, and more
- Implemented print to pdf

Portfolio Website (<https://vfos.dev>)

October 2022 - September 2023

- Created custom navigation that parses the url to 'rotate' to the selected page
- Simulated a CSS cube. To save RAM & CPU usage, pages aren't rendered in the HTML if they aren't being used
- I created all minigames in JavaScript, although I am not the original creator of the game concepts
- Minigames are: Duck hunt, Minesweeper, Snake, Fruit Ninja; References of: Windows XP, and Star Wars
- Added achievements and even more functionality

EDUCATION

University

Boise State University:

Major: **GIMM** (Games, Interactive Media, and Mobile)

Minors: **MATH** (Applied Mathematics), **ITM** (Information Technology Management)

Last update: September 5, 2023