Austin Holzer Nelson

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EMPLOYMENT

Programming in C Tutor, **Boise State University, Boise, ID**   **August 2023 - Present**
- Empowering students with a **C** programming foundation and instilling software development best practices.

*Software Engineer***, Construction Site Technologies, Remote**   **August 2023 - Present**
- Revitalized and expanded legacy codebase, leveraging **PHP Laravel, MySQL, AngularJS** and third-party messaging APIs to introduce crucial features, enhancing the startup's growth potential.
- Effectively utilized Bluehost VPS to host and manage multiple servers, maintaining both live and development environments within a **CentOS** server setup, ensuring optimal performance and reliability.

*Tier I Engineer Intern***, Institute for Pervasive Cybersecurity, Boise, ID**   **January 2023 - August 2023**
- Developed and implemented a comprehensive lab simulation environment aimed at emulating real-world cybersecurity scenarios. The simulation encompassed Red Team offensive operations, Blue Team defensive strategies and a Vulnerable Enterprise Server residing within a DMZ.
- Comprehensively documented architecture, setup, and operational guidelines for future reference.

*Research Assistant***, Colliers Idaho, Boise, ID**   **March 2022 - January 2023**
- Managed and maintained databases, executing queries to retrieve comprehensive records for requests.

PROJECTS

Tetris Replication - https://github.com/austinhnelson/Tetris
- Designed and developed a replica Tetris project in **C++** utilizing the **SFML Graphics** library.
- Handled cube rotations using geometry principles as a distinctive gameplay feature.

Weather App - https://github.com/austinhnelson/weather-app
- Crafted a user-friendly weather app that presents real-time weather information for specific locations.
- The minimal backend was crafted in **Javascript**, integrating data from OpenWeatherMap to deliver results.

EDUCATION

Computer Science, B.A. Boise State University, Boise, ID, August 2024. 3.75 GPA, Phi Gamma Delta Community Service and Fundraising Event Organizer
- Relevant Coursework: CS 471 *Software Development*, CS 452 *Operating Systems*, CS 354 *Programming Languages*, CS 421 *Algorithms*, CS 321 *Data Structures*

TECHNICAL SKILLS

- Languages: HTML/CSS/JavaScript, Typescript, PHP, Java, C/C++, Go, Python, SQL
- Libraries and Frameworks: React, Laravel, Node.js
- Tools: Git, Github, Linux, Docker, XAMPP, PhpMyAdmin, OPNSense, Security Onion, Jira, Confluence