Samson DeVol

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Education

Bachelor of Science in Computer Science with focus in Entrepreneurship   GPA 3.80
Oregon State University – Cascades, Bend, OR   *September 2020 – June 2023*
- Academic Excellence: Oregon State Elevator Pitch Competition (OSEPC) First Place Winner, Layman Fellowship Program Award Recipient, Scholastic Honor Roll, Dean's List, National Conference of Undergraduate Research Selected Presenter, Waldo-Cummings Outstanding Student Award.

Technical Skills

Languages
- Ruby, JavaScript, Python, C, C++, HTML/CSS, SQL, Java, Typescript, PHP.

Tools and Frameworks
- Git, CLI, React, Redux, Ruby on Rails, Docker, Network Protocol, Microsoft Azure, NodeJS, Express, MongoDB.

Concepts
- Algorithmic Complexity, Object Oriented Design Principles, Data Structures, Refactoring Techniques, Clean Code Conventions, RESTful APIs, Test Driven Development, Agile Methodology.

Relevant Projects

Hearing Simulator Web Application
- Architected web application to serve interactive user experience for audio manipulation, replicating hearing loss via audiogram using React Redux and JavaScript's Web Audio API library.
- Presented project details and potential educational applications for client-side sound manipulation hearing simulator in a fifteen-minute oral presentation at National Conference of Undergraduate Research.

Music Concert Program Optical Character Recognition
- Collaborated with project partners and stakeholders to design and implement a tech stack to meet minimum viable product requirements and stretch goals within a six-month timeframe.
- Led development of backend technologies that scraped over 14,000 music concert programs and relevant meta data from web and fed into a Microsoft SQL Server containerized using Docker.

Disaster Resource Network
- Delivered an above 80% coverage test suite for a Ruby on Rails web application using unit, integration, and end-to-end tests with RSpec while tracking issues and overseeing version control using Git.

Work Experience

Robotics and Coding Instructor
Forge Academy, Bend, OR   *October 2022 – February 2023*
- Introduced ten middle school students to coding fundamentals demonstrated through requirements gathering, hardware design, and software development using Lego robotics during weekly two-hour lessons.
- Facilitated conversation between students, staff, and parents to determine student interest and implement lesson plans that aligned with quarterly demonstrations to local community.

Information Technology Intern
Vividion Therapeutics, Bayer, San Diego, CA   *June 2022 – September 2022*
- Developed Python scripts to automate Microsoft's Active Directory processes to manage CRUD operations for user database, alleviating systems administration employees from repeating manual tasks.
- Deployed virtual machines on three operating systems to create development environments for testing business software, such as network firewalls and server interactions using Hyper-V and Azure Cloud.