

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 (expected)

- 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.

Work Experience

Robotics and Coding Instructor

Forge Academy, Bend, OR

October 2022 – Present

- Taught a group of six or more students aged 8-14 to explore fundamental development strategies using Lego robotics, Swift Playgrounds, GitHub and more to demonstrate how one can interact with programming to create interactive elements.
- Collaborated with instructors, parents, and students to determine areas of interest for individual students which fosters excitement, such as incorporating interactive robotics and bringing personal projects into class.

Information Technology Intern

Vividion Therapeutics, Bayer, San Diego, CA

June 2022 – September 2022

- Wrote Python scripts wrapping PowerShell Commands to automate Active Directory processes, such as user instantiation, deletion, and privileges, alleviating systems administration employees 1-2 hours work weekly.
- Deployed virtual machines using Hyper-V hosted on Azure Cloud Services to create development environments mimicking business software, such as Microsoft Suite and alternate operating systems, to test code safely.

Projects

Hearing Simulator Web Application

- Utilized modular programming to dissect a single audio input to be manipulated and visualized according to professional audiology frameworks such as Audiograms using JavaScript's Web Audio API library.
- Designed interface for users to directly manipulate decibel levels for 8 unique frequency ranges, choose preloaded values, and upload audio sources using the React framework.

Music Concert Program Optical Character Recognition

- Scraped websites for music concert programs and stored the image and extracted text information via optical character recognition algorithms into a Microsoft SQL Server managed using Docker.
- Led efforts in restructuring task delegation and tools for production and deployment to align a team of 5 developers to collaborate on code sprints and produce a minimum viable product within a 10-week timeframe.

Disaster Resource Network

- Delivered a high coverage test suite for a Ruby on Rails web application using unit, integration, and end-to-end tests with RSpec while tracking issues and merging code using Git.

Relevant Skills

Concepts

- Agile, Analysis of Algorithms, Databases, Data Structures, Machine Learning, Networks, Operating Systems, Software Engineering, Test Driven Development, Web Development.

Languages/Tools

- C, C++, Python, JavaScript, React, Ruby, Ruby on Rails, HTML/CSS, SQL, Git, Command Line.