

# Samson DeVol

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## Education

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### Bachelor of Science in Computer Science with focus in Entrepreneurship

GPA 3.80

Oregon State University – Cascades, Bend, OR

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

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### 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.

## Relevant Projects

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### 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.

## Technical Skills

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### 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.

### Concepts

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