

Sheikh Saad Abdullah

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Career Profile

Adaptable and enthusiastic Computer Science major with expertise in Python, JavaScript, Git, Linux, and various standard tools and technologies. Completed two co-op internships in the software development industry and proactively engaged in creating open-source software projects, showcasing a commitment to continuous learning and creative problem-solving.

Work Experience

ReelData AI

Halifax, Nova Scotia

Junior Software Developer

Sept 2023 - Dec 2023

- Collaborated with a dynamic Agile team on ReelAppetite, a key product, demonstrating strong teamwork and interpersonal skills
- Successfully integrated into a large existing codebase, showcasing adaptability and quick learning
- Implemented features using test-driven development and containerization, contributing to the software's robustness
- Experienced the deployment of code to production, highlighting practical application and impact of contributions

Sensor Technology LTD (COVE)

Dartmouth, Nova Scotia

Research Intern

May 2023 - Aug 2023

- Configured Raspberry Pi SBCs with OpenPlotter Marine OS for the purpose of developing and testing the Acoustic Projector Control and Logging System
- Developed Python script for generation and playback of audio files from given wavelength and duration
- Implemented module to connect to private Signal K server and utilize its API to effectively retrieve sensor data
- Created a script for logging data from sensors, consuming it via API calls, and storing it in an SQLite database

Project Experience

Resumake - Programmatic Resume Generator

<https://github.com/cybardev/resumake>

Software Developer

Jun 2022 - Present

- Modularized code by splitting up project into multiple component files and using proper object-oriented techniques to ensure separation of concerns
- Containerized application in a Docker image via Dockerfile configuration to create self-contained package with proper dependency resolution
- Packaged and published project to Python Package Index (PyPI), DockerHub, and GitHub Packages registries, making it easy and convenient for users to install
- Created GitHub Actions workflows for CI/CD, to automatically build and deploy to package registries on tagged pushes, as well as re-generating personal resume and publishing to static website (<https://resume.cybar.dev>)

Accessible Blog with CMS

<https://github.com/SMU-Code-C/blog>

Full-stack Developer

Jan 2022 - Apr 2022

- Built a 3-page blog website as well as a custom CMS (content management system) admin page
- Created an accessible on-screen keyboard to accommodate client's typing difficulties caused by Cerebral Palsy
- Implemented the blog as a full-stack webapp using Bootstrap, jQuery, AlpineJS, Node, Express, and MongoDB

Education

Saint Mary's University

Halifax, Nova Scotia

Bachelor of Science in Computing Science

Expected Graduation Date: Dec 2024

Major Courses: Artificial Intelligence, Data Structures and Algorithms, Software Engineering, Systems Security