

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.

Education

Saint Mary's University

Halifax, Nova Scotia

Bachelor of Science in Computing Science

Graduation: Jan 2025

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

Work Experience

ReelData AI

Halifax, Nova Scotia

Junior Software Developer

Sept 2023 - Dec 2023

- Collaborated with a dynamic remote-first Agile team on ReelAppetite - a flagship product - implementing key features according to client requirements, boosting client satisfaction and trust
- Implemented features using test-driven development by creating unit tests and containerized integration tests to be run in the CI/CD pipeline, contributing to the software's robustness and preventing bugs from reaching production
- Developed Python module to annotate videos with metadata consumed from Kafka topics, using GStreamer pipelines, allowing farm operators to view video stream information via dashboard

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>)

Skills & Interests

Skills: Python, HTML, CSS, Bootstrap, JavaScript, jQuery, ReactJS, NodeJS, ExpressJS, MongoDB, Java, C/C++, Git
Interests: Linux, Open-source, Shell Scripting, Automation, Cloud, CI/CD, DevOps, Agile Development, Data Analytics