Sky Quan

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EDUCATION

Computer Science - Bachelor of Applied Science | McMaster University   Expected Grad 2027

TECHNICAL SKILLS

- Python
- React
- SQL
- CICD
- Docker
- GitHub
- C#
- Bash
- Java
- Linux

EXPERIENCE

DevOps Engineer (CO-OP) | Ontario Teachers' Pension Plan   *Sept 2024 - Aug 2025*

- Co-led a **POC** for migrating **CI/CD** workflows from **Jenkins** to **GitHub Actions.** Evaluated capabilities and limitation of **actions** compared to **Jenkins**, presenting those findings and best practices to senior leadership, influencing the adoption across multiple teams.

- Rearchitected the company's **Docker** base image system, consolidating multiple redundant images around a single standardized **Ubuntu** base image, reducing maintenance complexity and improving efficiency.

- Implemented **CI/CD** pipelines using **Jenkins, GitHub, Ansible**, **ServiceNow** and **SonarQube** to automate deployment and testing processes of different **.NET**, **python**, and **C#** applications.

Research Assistant | McMaster University, Computing and Software   *May 2023 – Aug 2023*

- Worked with Dr. Stephen Kelly to research evolving adaptable control policies using **gymnasium's** pendulum task and **Distributed Evolutionary Algorithms in Python** (DEAP) to conduct experiments on the partially observable pendulum task using **machine learning**

- My work laid the foundation for other projects now continued by Dr. Stephen Kelly's MA students (https://creativealgorithms-cd4c88.gitlab.io/team/)

PROJECTS & EXTRACURRICULARS

Groq-Job-App-Generator, *Groq*, *Python*, *Bash, GitHub actions*   *Feb 2025*

- Developed an end-to-end **genAI** pipeline using the **Groq SDK (llama-3.3-70b)** to generate tailored resumes and 225-word cover letters from job descriptions and a structured skillset.

- Designed a **Built LLM-based utilities** to extract structured metadata (company name, job title) from job postings using concise **prompts.**

Gym Tracker App, *Swift*, *Containers, Databases*   *Jan 2024*

- Developed a workout tracking **iOS** app in **Swift** that allows users to create, save, and monitor custom workouts using **persistent storage**.

- Designed and implemented the **front-end** landing page using **SwiftUI** layout containers to present workouts in a clear, structured interface.