

# Sky Quan

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EDUCATION

Computer Science - Bachelor of Applied Science | McMaster University 2022 - 2027

## **TECHNICAL SKILLS**

- Python
  - Unix
  - C/C++
  - SDLC
  - Agile
  - Scrum
  - Java
  - Unix
  - Bash
  - frontend

## EXPERIENCE

**DevOps Engineer (CO-OP) | Ontario Teachers' Pension Plan** Sept 2024 - Sept 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.
  - Deployed and automated **Snowflake** environments using **Ansible**, with containerized workflows running on **Docker and Kubernetes**.
  - Applied **Software Development Life Cycle (SDLC)** methodologies to complete project-specific development tasks within **Agile** and **Scrum** frameworks, using **Jira** for sprint management and **Confluence** for documentation.

ML 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 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.
  - **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 (e.g., VStack, HStack, and reusable card-style views) to present workouts in a clear, structured interface.

