

# Sky Quan

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EDUCATION

Computer Science - Bachelor of Applied Science | McMaster University

2022 - 2027

## **TECHNICAL SKILLS**

- SDLC
  - DevOps
  - Azure
  - Jira
  - Linux
  - Unix
  - Windows
  - Oracle
  - Bash
  - CICD

## EXPERIENCE

DevOps Engineer (CO-OP) | Ontario Teachers' Pension Plan

Sept 2024 - Sept 2025

- Increased logging visibility within **Ansible** and **Jenkins** for **Flyway** database migrations across **Snowflake**, **MSSQL**, **Azure**, and **Oracle**, improving troubleshooting and monitoring.
  - Implemented **CI/CD** pipelines using **Jenkins**, **GitHub**, **Ansible**, and **SonarQube** to automate deployment and testing processes of **.NET**, **python**, and **C#** applications.
  - 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

**Grog-Job-App-Generator, Grog, 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**.

**Expense Sheet Combiner, Python, Bash**

Dec 2024

- Built a **Python automation tool** to combine and standardize transaction data from my various bank and credit card statements.
  - Used **Pandas** and **NumPy** to clean, reformat, and organize expenses by month and date into a single master **Excel** sheet.