

Sky Quan

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EDUCATION

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

TECHNICAL SKILLS

- Python
 - SQL
 - Jenkins
 - GitHub
 - Ansible
 - SonarQube
 - Docker
 - Azure
 - Bash
 - CICD

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

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**.

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.