

Sky Quan

6476137546 | [skyquanyuan23@gmail.com](mailto:sykyuan23@gmail.com) | www.linkedin.com/in/sky-quan/ | <https://github.com/Ctrl-Sky>

EDUCATION

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

TECHNICAL SKILLS

- Python
 - DevOps
 - MySQL
 - RESTful
 - Agile
 - Docker
 - Kubernetes
 - CICD
 - Jenkins
 - SDLC

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.
 - 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.
 - Developed a **Jenkins** pipeline and **Python** script to automate internal webpage updates via a **RESTful API POST request**, streamlining manual change processes.
 - Increased logging visibility within **Ansible** and **Jenkins** for **Flyway** database migrations across **Snowflake**, **MSSQL**, **Azure**, and **Oracle**, improving troubleshooting and monitoring.

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**.