

Sky Quan

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EDUCATION

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

TECHNICAL SKILLS

- Java
 - SQL
 - Frontend
 - RESTful
 - API
 - SDLC
 - Agile
 - Scrum
 - Python
 - CICD

EXPERIENCE

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

- Developed a **Jenkins** pipeline and **Python** script to automate internal webpage updates via a **RESTful API POST request**, streamlining manual change processes.
 - Implemented **CI/CD** pipelines using **Jenkins**, **GitHub**, **Ansible**, and **SonarQube** to automate deployment and testing processes of **.NET**, **python**, and **java** 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**.

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.