

Sky Quan

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EDUCATION

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

TECHNICAL SKILLS

- Java
- SQL
- SDLC
- Jira
- Agile
- Snowflake
- Azure
- MSSql
- Oracle
- GenAI

EXPERIENCE

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

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

Automatic-Photo-Transfer, *Python, Bash, YAML* Aug 2025

- Developed a **CLI-driven Python** application that automates photo transfers, transferring photos from a folder to a hard drive, organizing photos into date-based folders, and handling edge cases (live-photos, unsupported filetypes).
- Implemented robust **EXIF** and **OS-fallback** logic to extract accurate capture timestamps, and added heuristics (e.g., skip <3s MOV live clips) to avoid incorrect migrations.

