Sky Quan

6476137546 | skyquan23@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
- Confluence
- SDLC
- DevOps
- LLM
- CICD
- SQL
- GenAI
- Jira
- Linux

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.

- 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**

- Following Darwin's Law of Natural Selection, developed and **trained** multiple generation of **AI agents** to solve various tasks using **reinforcement 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.**