Sky Quan

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EDUCATION

Computer Science - Bachelor of Applied Science | McMaster University — Expected Grad 2027

TECHNICAL SKILLS

- Python
- Copilot
- AI
- ML
- GenAI
- NumPy
- LLM
- Scrum
- Azure
- CICD

EXPERIENCE

DevOps Engineer (CO-OP) | Ontario Teachers' Pension Plan — *Sept 2024 - Aug 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.
- 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.

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 partially observable pendulum task using **genetic programming.**
- Following Darwin's Law of Natural Selection, developed and **trained** multiple generation of **AI agents** to solve various tasks.
- Gathered, arranged, and corrected research data to create representative graphs and charts highlighting using **Pandas** and **NumPy**.

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.
- **Automatically** generated tailored cover letter templates from the optimized resume results, and organized all outputs into structured directories, replicating an artifact
- Designed a **Built LLM-based utilities** to extract structured metadata (company name, job title) from job postings using concise **prompts.**