

# Sky Quan

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## EDUCATION

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

## TECHNICAL SKILLS

- Python
- Azure
- SQL
- GitHub
- Ansible
- SonarQube
- Docker
- Pandas
- SQL
- Linux

## EXPERIENCE

**Software Developer (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.
- Increased logging visibility within **Ansible** and **Jenkins** for **Flyway** database migrations across **Snowflake**, **MSSQL**, 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 partially 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.
- 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

**Gemini-Job-App-Generator**, *Gemini, Python, Bash, GitHub actions*                      Feb 2025

- Developed a **Python** application that integrates **Google's Gemini 2.0** model to optimize resumes based on job descriptions.
- **Automatically** generated tailored cover letter templates from the optimized resume results, and organized all outputs into structured directories, replicating an artifact
- Designed and implemented a **GitHub Actions workflow** to automate the end-to-end process for scalability and ease of use

**AgentX Hackathon | Ontario Teachers' Pension Plan**                      Jan 2025

- Designed an **AI-powered call assistance agent** to support the customer service team.
- **Real-time AI system** that listens to conversations and suggests appropriate actions based on customer requests.

December 27, 2025

Sky Quan

Toronto, Ontario, Canada

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647-613-7546

Dear Hiring Team,

I am excited to apply for the available position, and I am confident that my skills and experience make me an ideal candidate. With a strong foundation in a variety of areas, I am well-equipped to make a positive contribution to your team. I am a highly motivated and dedicated individual, always striving to achieve excellence in my work.

My skills and experience have provided me with a unique perspective, allowing me to approach challenges in a creative and innovative manner. I am a strong communicator, able to effectively collaborate with colleagues and build strong relationships with clients. I am excited about the opportunity to bring my skills and experience to a new role and contribute to the success of your team. I am a quick learner, able to adapt to new situations and thrive in a fast-paced environment.

I would welcome the opportunity to discuss my application and how I can contribute to the success of your team. Thank you for considering my application. I look forward to the opportunity to meet with you to discuss this further.

Sincerely,

Sky Quan