

January 19, 2026

Sky Quan

Toronto, Ontario, Canada

skyquan23@gmail.com

647-613-7546

Dear Hiring Team,

I am excited to apply for this role, bringing a strong foundation in software development, DevOps, and research. With experience in programming languages such as Python, C, Java, and Swift, I am confident in my ability to adapt to various technologies. My research experience at McMaster University, where I worked on evolving adaptable control policies using machine learning, has given me a solid understanding of complex problem-solving. Additionally, my experience with cloud platforms, including Azure, AWS, and Linux, has equipped me with the skills to design and implement scalable solutions.

As a skilled developer, I have a proven track record of delivering high-quality projects, including the development of a workout tracking app in Swift and a Python automation tool to combine and standardize transaction data. My experience with DevOps tools, such as Jenkins, GitHub Actions, and Ansible, has allowed me to automate deployment and testing processes, improving efficiency and reducing maintenance complexity. I am excited to leverage my skills and experience to contribute to a team and drive innovation. With a strong passion for technology and a drive to continuously learn, I am confident that I would be a valuable asset to your organization.

I am looking forward to the opportunity to discuss my application and how my skills and experience align with the requirements of this role. Thank you for considering my application. I am excited about the opportunity to contribute to a team and drive innovation, and I am confident that my skills and experience make me an ideal candidate for this position.

Sincerely,

Sky Quan

# Sky Quan

6476137546 | [skyquanyuan23@gmail.com](mailto:sykyuan23@gmail.com) | [www.linkedin.com/in/sky-quan/](https://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
  - C
  - Confluence
  - Jira
  - Azure
  - Microsoft
  - SQL
  - GenAI
  - ML
  - LLM

## 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.
  - 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.
  - Implemented **CI/CD** pipelines using **Jenkins**, **GitHub**, **Ansible**, and **SonarQube** to automate deployment and testing processes of **.NET**, **python**, and **C#** applications.

**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**.

Issued To:  
Sky Quan

Name: Student ID No: OEN: Birth Day: Print Date:  
Sky Quan 400457373 23 March 15 January 2026

Transcript valid only if bearing the Registrar's Signature.

Beginning of Undergraduate Career Record

--- 2022 Fall ---

Program: Engineering Degree Seeking  
Plan: Computer Science 1 CO-OP (Year One)  
Term Honours: The McMaster University Award of Excellence

Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPSCI 1JC3	Intro To Comput Thinking	3.00/3.00	A
COMPSCI 1MD3	Introduction To Programming	3.00/3.00	A+
ECON 1BB3	Introductory Macroeconomics	3.00/3.00	A+
ENGINEER 1EE0	Engineer Co-op Prm	0.00/0.00	COM
MATH 1B03	Linear Algebra 1	3.00/3.00	A
MATH 1ZA3	Engineering Mathematics I	3.00/3.00	A+
WHMIS 1A00	Intro To Health And Safety	0.00/0.00	COM

Totals

Term Totals	Attm./Earned Units	GPA Units	Total Points	GPA
	15.0/15.0	15.0	174.0	11.6

--- 2023 Winter ---

Program: Engineering Degree Seeking  
Plan: Computer Science 1 CO-OP (Year One)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPSCI 1DM3	Discrete Math for Comp Sci	3.00/3.00	A
COMPSCI 1XC3	Development Basics	3.00/3.00	A-
COMPSCI 1XD3	Intro to Sfwr Using Web Prog	3.00/3.00	A
ECON 1B03	Introductory Microeconomics	3.00/3.00	B+
MATH 1ZB3	Engineering Mathematics II-A	3.00/3.00	A+

Totals

Name:	Student ID No:	OEN:	Birth Day:	Print Date:
Sky Quan	400457373		23 March	15 January 2026

Term Totals	Attm./Earned Units 15.0/15.0	GPA Units 15.0	Total Points 159.0	GPA 10.6
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Academic Standing: Good Standing  
Term Honours: Deans' Honour List

--- 2023 Spring/Summer ---

Program: Engineering Degree Seeking  
Plan: Computer Science 1 CO-OP (Year One)

Term Enrolment

Course ENGINEER 2EC0	Title Engineering Work Term (Work Term Details Company: McMaster University Location: Hamilton, ON Position : Co-op Student Start Date: 2023-05-01 End Date: 2023-08-31)	Attm./Earned Units 0.00/0.00	Grade COM
INNOVATE 1X03	The World of Entrepreneurship	3.00/3.00	A+

Totals

Term Totals	Attm./Earned Units 3.0/3.0	GPA Units 3.0	Total Points 36.0	GPA 12.0
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--- 2023 Fall ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course COMPSCI 2C03	Title Data Struct & Algorithms	Attm./Earned Units 3.00/3.00	Grade A+
COMPSCI 2GA3	Computer Architecture	3.00/3.00	A
COMPSCI 2LC3	Logical Reasoning: Comp Sci	3.00/3.00	A+
COMPSCI 2ME3	Intro To Software Development	3.00/3.00	B+
STATS 2D03	Intro To Probability	3.00/3.00	A+

Totals

Name:	Student ID No:	OEN:	Birth Day:	Print Date:
Sky Quan	400457373		23 March	15 January 2026

Term Totals	Attm./Earned Units 15.0/15.0	GPA Units 15.0	Total Points 168.0	GPA 11.2
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--- 2024 Winter ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

#### Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPSCI 2AC3	Automata and Computability	3.00/3.00	B
COMPSCI 2DB3	Databases	3.00/3.00	B+
COMPSCI 2SD3	Concurrent Systems	3.00/3.00	B+
COMPSCI 2XC3	Algorithms and Software Design	3.00/3.00	A
SUSTAIN 1S03	Intro To Sustainability	3.00/3.00	A

#### Totals

Term Totals	Attm./Earned Units 15.0/15.0	GPA Units 15.0	Total Points 144.0	GPA 9.6
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Academic Standing: Good Standing

Term Honours: Deans' Honour List

--- 2024 Spring/Summer ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

#### Transfer Credit/Letters of Permission

Transfer Credit from: University of Leeds

Subject/Course#	Title	Units	Grade
IARTS 1XXXX	IARTS 100 Level Unspecified	3.00	T
IARTS 1XXXX	IARTS 100 Level Unspecified	3.00	T
	Transfer Totals:	6.00	

#### Term Enrolment

Course	Title	Attm./Earned Units	Grade
EXCHANGE 3X06	Exchange	0.00/0.00	
MUSIC 2MT3	Intro Music Therapy Practice	3.00/3.00	A

Name: Sky Quan Student ID No: 400457373 OEN: Birth Day: Print Date:  
23 March 15 January 2026

Totals

Term Totals	Attm./Earned Units 3.0/3.0	GPA Units 3.0	Total Points 33.0	GPA 11.0
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--- 2024 Fall ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course ENGINEER 2EC0	Title Engineering Work Term (Work Term Details Company: Ontario Teachers' Pension Plan Board Location: Toronto,ON Position : Co-op Student Start Date: 2024-09-01 End Date: 2025-08-31)	Attm./Earned Units 0.00/0.00	Grade COM
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Totals

Term Totals	Attm./Earned Units 0.0/0.0	GPA Units 0.0	Total Points 0.0	GPA 0.0
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--- 2025 Winter ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course ENGINEER 2EC0	Title Engineering Work Term (Work Term Details Company: Ontario Teachers' Pension Plan Board Location: Toronto,ON Position : Co-op Student Start Date: 2024-09-01 End Date: 2025-08-31)	Attm./Earned Units 0.00/0.00	Grade COM
MUSIC 2II3	Popular Music Post WW2	3.00/3.00	A+

Totals

Name: Sky Quan	Student ID No: 400457373	OEN: 23 March	Birth Day: 23 March	Print Date: 15 January 2026
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Term Totals	Attm./Earned Units 3.0/3.0	GPA Units 3.0	Total Points 36.0	GPA 12.0
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--- 2025 Spring/Summer ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course ENGINEER 2EC0	Title Engineering Work Term (Work Term Details Company: Ontario Teachers' Pension Plan Board Location: Toronto, ON Position : Co-op Student Start Date: 2024-09-01 End Date: 2025-08-31)	Attm./Earned Units 0.00/0.00	Grade COM
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Totals

Term Totals	Attm./Earned Units 0.0/0.0	GPA Units 0.0	Total Points 0.0	GPA 0.0
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--- 2025 Fall ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course EXCHANGE 3X12	Title Exchange	Attm./Earned Units 0.00/0.00	Grade
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Totals

Term Totals	Attm./Earned Units 0.0/0.0	GPA Units 0.0	Total Points 0.0	GPA 0.0
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Name: Student ID No: OEN: Birth Day: Print Date:  
Sky Quan 400457373 23 March 15 January 2026

--- 2026 Winter ---

Program: Engineering Bach. Comp Sci  
Plan: Computer Science CO-OP (Honours Co-op)

Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPSCI 3AC3	Algorithms and Complexity	3.00/0.00	
COMPSCI 3DM3	Introduction to Data Mining	3.00/0.00	
COMPSCI 3N03	Computer Networks and Security	3.00/0.00	
SFWRENG 3S03	Software Testing	3.00/0.00	

End of Undergraduate Career Record

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End of Student Unofficial Transcript