December 27, 2025

Sky Quan

Toronto, Ontario, Canada

skyquan23@gmail.com

647-613-7546

Dear Hiring Team,

I am excited to apply for a position that leverages my technical skills and experience in software development, research, and DevOps. With a strong foundation in programming languages such as Python, Java, C, and Swift, I am confident in my ability to contribute to a team. My experience as a Software Developer/DevOps Intern at Ontario Teachers' Pension Plan has provided me with a unique blend of research and industry experience.

I have a proven track record of delivering high-quality results, from implementing CI/CD pipelines using Jenkins and GitHub Actions to developing automated tools using Python and Bash. My personal projects, such as the Gym Tracker App and Expense Sheet Combiner, demonstrate my ability to design and develop applications that meet real-world needs. I am excited about the opportunity to bring my skills and experience to a new role and contribute to a team that values innovation and collaboration. With my strong technical skills and experience working with technologies such as Azure, AWS, and Linux, I am confident that I would be a valuable asset to your team.

I am excited about the opportunity to discuss my application and how my skills and experience align with the requirements of the position. Thank you for considering my application. I look forward to the opportunity to contribute to a team and continue to grow and develop as a professional.

Sincerely,

Sky Quan

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   Expected Grad 2027

TECHNICAL SKILLS

- Python
- SonarQube
- SQL
- Docker
- Jenkins
- Azure
- GitHub
- Snowflake
- Ansible
- Linux

EXPERIENCE

Software Developer (CO-OP) | Ontario Teachers' Pension Plan   *Sept 2024 - Aug 2025*

- Rearchitected the company's **Docker** base image system, consolidating multiple redundant images around a single standardized **Ubuntu** base image, reducing maintenance complexity and improving efficiency.

- 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

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).

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

Issued To:
Sky Quan

Name:	Student ID No:	OEN:	Birth Day:	Print Date:
Sky Quan	400457373		23 March	26 December 2025

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

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	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	26 December 2025

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	15.0/15.0	15.0	159.0	10.6

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	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	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)	0.00/0.00	COM
INNOVATE 1X03	The World of Entrepreneurship	3.00/3.00	A+

Totals

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

--- 2023 Fall ---

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

Term Enrolment

Course	Title	Attm./Earned Units	Grade
COMPSCI 2C03	Data Struct & Algorithms	3.00/3.00	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	26 December 2025

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

--- 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

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	15.0/15.0	15.0	144.0	9.6

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:	Student ID No:	OEN:	Birth Day:	Print Date:
Sky Quan	400457373		23 March	26 December 2025

Totals

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

--- 2024 Fall ---

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

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	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)	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

--- 2025 Winter ---

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

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	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)	0.00/0.00	COM
MUSIC 2II3	Popular Music Post WW2	3.00/3.00	A+

Totals

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

--- 2025 Spring/Summer ---

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

Term Enrolment

Course	Title	Attm./Earned Units	Grade
ENGINEER 2EC0	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)	0.00/0.00	COM

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

--- 2025 Fall ---

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

Term Enrolment

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

Totals

	Attm./Earned Units	GPA Units	Total Points	GPA
Term Totals	0.0/0.0	0.0	0.0	0.0

--- 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

End of Student Unofficial Transcript