

Devon Knight: Last Co-Op Summer 2026

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EDUCATION

B.A.Sc. Software Engineering (Co-Op)

[University of Ottawa](#)

Ottawa, ON, Canada, 12/2026

- **CGPA: 3.95 / 4.00:** Data Structures and Algorithms, Android Dev, Digital Logic, Operating Systems, Linear Algebra.
- **Leadership:** World Dragonboat Athlete 2024, Class Rep, Board of Directors, Funding Manager, Deans Honor Roll

SKILLS

- **Proficient:** Python, FastAPI React, Java, Git, Linux, GitHub, Docker, GPT, CrewAi, Front-End, , HTML/CSS, Agile.
- **Experienced:** Unix, Bash, TypeScript, ReactJS/Native, JavaScript, MongoDB, REST APIs, SQL, MySQL, JSON.
- **Familiar:** C, C#, Android, Shell, Splunk, Assembly, Groovy, Jenkins, Maven, Gradle, Kubernetes, Node, NEXT, R.

WORK EXPERIENCE (6 of 17)

Data Scientist (8 Month Co-Op)

[Thales Group](#)

Ottawa, ON, Canada, 09/2025 – 04/2026

- Implemented robust **ETL/ELT pipelines** to ingest and transform complex operational data for analytical use.
- Built **LLM RAG** and **Machine Learning models** using **Python** to support high level military applications.
- Leading the **backend** design of proof-of-concepts using **Python FastAPI, Neo4J Graph databases, and Docker**.

Full Stack Software Engineer (4 Month Co-Op)

[Intuit](#)

Toronto, ON, Canada, 05/2025 – 09/2025

- Developed the TurboTax product recommendation flow, boosting **\$278M, +(9%) revenue**, with **multivariate testing**.
- Designed new **A/B Test flows** using **TypeScript, React, Kotlin, Java, and Player UI** (Intuits open-source tech stack)
- Led a new **Credit Karma to TurboTax** customer flow, introducing **automated testing** with **Gen AI** for quick adaption.

Machine Learning Engineer (4 Month Co-Op)

[RBC Gen AI Lab](#)

Toronto, ON, Canada, 09/2024 – 01/2025

- Contributed to 3 **LLM POCs** by gathering user stories and balancing development priorities with business value.
- Built an **LLM-assisted** case generator, enabling instant client resolution, **reducing case resolution time by ~70%**.
- Led a **LLM project** that cleans and validates **500K** addresses with **99.99%** confidence, saving **1000's** of manhours.
- Utilized **vector databases** (**Qdrant, ChromaDB, Pinecone**) to optimize storage and retrieval, improving efficiency.

DevOps Engineer (4 Month Co-Op)

[Royal Bank of Canada](#)

Toronto, ON, Canada, 01/2024 – 05/2024

- Contributed to **Canadian Technology History** with a CI/CD pipeline enabling the **48hr** acquisition of HSBC to RBC.
- Reduced **Gradle build and deploy time** by **15%** with **Groovy** that operate HTTP proxies and Open-Shift Containers.
- Built 1 **Prototype DevOps pipeline** with **GitHub Actions** and Runners, increasing efficiency across **54 Dev Teams**.
- Led a **DevOps project** tracking **1,000's** of developer commits, enhancing productivity and minimizing disruptions.

Software Developer (8 Month Co-Op)

[Ciena](#)

Ottawa, ON, Canada, 05/2023 – 12/2023

- Served **Google, Amazon, Twitch, Meta, and Microsoft** clients with an upgrade to **47 server microservices**.
- Co-led a **back-end NoSQL MongoDB** database testing feature catching **12+ faults** and prevented major incidents.
- Led **44+ features** across **18 repositories** using **C, Python, JSON, Jenkins, Shell, Linux, Bitbucket, and Git**.
- Implemented a **novel Python Unit Test** framework with **17 test suites** that runs in an impressive **0.10 seconds**.

Machine Learning Research Assistant

[University of Toronto](#)

Toronto, ON, Canada, 05/2019 – 09/2022

- Conducted **data-analysis** from **28 patients** using **Python, Microsoft Excel** and **R-Studio** with weekly data-reports.
- Co-led a **clinical study** that used **Felix AI** to address patient concerns showing **83% improved patient outcomes**.
- Co-authored a **peer-reviewed publication** on ML application in post-operative recovery, **cited 25+ times** in the field.

LEADERSHIP (2 of 13)

Development Director -> Partnerships Advisor

[uOttawaHack](#)

11/2022 – Present

- Established uOttawaHack to rival as **Canada's Largest Hackathon** with global participation, benefiting **1,100+ people**.
- Increased **company partnerships** by **77.8%**, **funding** by **36.3%**, **project submissions** by **55%**, **attendees** by **32%**.
- Built **international partnerships** with **HKUST Hong Kong** and **Tec de Monterrey Mexico** with **uOttawa Canada**.
- Directed a **team of 30** to develop the **official site** and **live-event site** using **Node, React, NoSQL** and **Vercel**.

Co-Founder

[VaporWare Games](#)

01/2024 – Present

- Developing **2D games** using **Godot Game Engine** and **Aseprite**, for an immersive product for **content creators**.
- **Collaborated with art designers** to build gameplay mechanics using **C#, creating a working game prototype**.

PROJECTS (2 of 22)

Co-Med

[AI Triage in the ER](#)

github.com/uOttawaHackUofT/Co.med

- A full-stack **AI-assisted hospital triage app** using Cohere's LLM, enabling shorter triage and emergency wait times.
- Utilized **supervised learning** to suggest diagnoses and triage levels, offering sources to support medical decisions.

uOttApp

[Event Data-Tracking](#)

github.com/Devcon324/uOttApp

- Developed an event tracker mobile application that **tracked 856+ client attendance, food, and raffle tickets**.
- Built as a **full-stack mobile app** with **React Native, HTML, CSS, JavaScript** and Google Cloud's **Firebase**