

Roxie Reginold

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EDUCATION

Toronto Metropolitan University (formerly Ryerson)

Toronto, ON

BSc, Computer Science (Co-op)

September 2021 - April 2026

- **Google Developer Groups on Campus TMU:** Vice President of Community
- **BYTE (Build Your Technical Experience Club):** Director of Backend Engineering

EXPERIENCE

Data Scientist Intern

January 2025 – Present

Royal Bank of Canada

Toronto, ON

- Researched and evaluated **15+ Agentic AI developer tools** that leveraged **OpenAI, Anthropic, Google LLMs** using **SWE-bench** tasks, boosting developer productivity by **30%** through AI-assisted coding.
- Collaborated with DevOps and Insurance teams on PoCs to create use cases on AI-enhanced development workflows, ensuring full compliance with RBC production standards and informing strategic tool adoption.
- Delivered iterative **GenAI demos** using **Python, Crew AI, and LLMs** in an Agile lab setting, enabling leadership to validate and refine experimental workflows and expand RBC's internal AI capabilities.
- Created an internal “**vibe-coding**” patterns and anti-patterns repository, documenting best practices for LLM prompt design and now referenced by engineers to standardize AI-assisted development.

Software Developer Intern

May 2024 – August 2024

Royal Bank of Canada

Toronto, ON

- Refactored and deployed **5 Maven Spring Boot** services to the **Red Hat Open-Shift 4** Platform through **Jenkins CI/CD** pipelines, increasing system performance by **20%** and reducing downtime by **15%**.
- Collaborated with **DevOps, Maintenance, and Quality Assurance** teams, to implement best practices, contribute to code reviews and ensure adherence to high-quality standards for **RESTful API** development.

Software Developer Intern

September 2023 – December 2023

Royal Bank of Canada

Toronto, ON

- Developed **Python** scripts with the **DevOps** team to leverage **Jenkins** and **GitHub API** to automate weekly email notifications, reducing unused **Git** branches in **GitHub** organizations by over **50%**.
- Delivered an introductory presentation on **GitHub Actions** for the team, contributing to the team's understanding of modern **DevOps** practices and fostering continuous integration awareness.

Data Analyst Intern

June 2023 – September 2023

Equinix

Toronto, ON

- Developed dynamic **Smartsheet** dashboards to track and analyze customer migration progress, providing real-time updates on key metrics and improving decision-making and project efficiency by **30%**.
- Enhanced overall working group efficiency by identifying process gaps in site divestiture, applying innovative Smartsheet solutions to improve scalability across regional teams.

PROJECTS AND COMPETITIONS

Spotify Song Recommendation System | [GitHub](#) | *Python, Flask, Streamlit, Spotify API, Google Gemini*

- Architected an AI-powered music discovery platform by integrating **Google's Gemini 2.0 Flash** and the Spotify API to deliver personalized song recommendations, complete with album artwork and direct streaming links via a clean and intuitive interface.

Best Environmental Hack: Met Hacks | [DevPost](#) | *Python, VS Code, Django, JSON*

- Utilized Nextcord API and **Python** with a team of 4 students to design and develop a Discord bot that educates users about environmental sustainability, winning the 'Best Environmental Hack' category.

TECHNICAL SKILLS

Languages: Java, Python, SQL, JavaScript, HTML/CSS

Frameworks and Libraries: SpringBoot, FastAPI, JUnit, Pandas, NumPy, Matplotlib

Machine Learning & AI: LangChain, Crew AI, Autogen, OpenAI API, Anthropic Claude API, Gemini API, Hugging Face, Scikit-Learn, TensorFlow, LM Studio, Devin, Windsurf, Cursor, GitHub Copilot, MCP (Model Context Protocol)

Developer Tools: Oracle SQL Developer, Maven, JupyterLab, Jenkins, Bash, Apigee API Management, IBM UrbanCode Deploy, Postman, Red Hat Open-Shift 4, Dynatrace, Docker, Kubernetes