Emmanuel Richmond
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PROFESSIONAL EXPERIENCE

Software Developer Intern
Council of Minsters of Education, Canada | May 2025 – September 2025

- Assisted in developing and maintaining internal web tools used by staff for data management and reporting.
- Wrote and debugged Python and JavaScript scripts to automate repetitive IT support and data-handling tasks.
- Collaborated with the IT team to integrate system monitoring features and improve workflow reliability.
- Managed user authentication and access control through internal software dashboards.
- Delivered bilingual (English/French) user support and training for newly deployed software systems.

Software Developer Intern
QTech Software | Ottawa, ON | Oct 2024 – Apr 2025

- Designed and implemented internal **web applications** improving workflow efficiency.
- Wrote clean, maintainable **Python** and **JavaScript** code following best practices.
- Created **unit and integration tests**, reducing production bugs and improving stability.
- Collaborated with product teams to define requirements and deliver features on schedule.
- Authored **technical documentation** to support long-term maintainability.

SKILLS

Languages & Frameworks: Java, Python (pandas, NumPy, Flask), C/C++, C#, Haskell, SQL(MySQL / PostgreSQL), Shell (Bash), JavaScript(ES6+), HTML5, CSS, React, Node.js
Tools & Platforms: Git & GitHub, Docker, AWS (EC2 / S3 / Lambda), Azure, SharePoint, Microsoft Access, Jira, Agile/Scrum, Windows, Linux/Unix, CI/CD, Postman
Other Skills: Data management/analysis, Debugging & System troubleshooting, Unit & integration / Automated testing, Version Control Workflow, Bilingual communication (English/French)

Projects

Banking Module | Python, Flask, SQL, HTML/CSS, JavaScript

• Designed and developed a modular banking system with core features including account creation, deposits, withdrawals, and transaction tracking using Flask and SQL.

EDUCATION

Bachelor of Computer Science (Honours) – Carleton University – *June 2025*