Landry Tchouela

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EDUCATION

Bachelor of Computer Engineering (Co-op Program) **Aug. 2023 – Dec. 2027**
Université de Sherbrooke

Computer Science Technology (DEC) **Aug. 2020 – Aug. 2023**
Cégep de Granby

SKILLS

Technical

- **Languages:** TypeScript/JavaScript, Python, C#, C, C++, Java, Go, SQL, Bash/Batch, VHDL, HTML/CSS
- **Frameworks and Technologies:** React, Node.js, Vue.js, Angular, PostgreSQL, MongoDB, Docker
- **Tools:** Git/GitHub/GitLab, Visual Studio, VS Code, IntelliJ, PyCharm, Android Studio, QT, VirtualBox
- **Operating Systems:** Linux, Windows
- **Electronics / CAD:** SolidWorks, Altium, LTspice, AutoCad

Linguistic

- **French:** Native language
- **English:** Intermediate (technical reading and communication)

Professional

- Complex problem solving
- Technical teamwork
- Ability to quickly learn new technologies
- Project and priority management

PROFESSIONAL EXPERIENCE

Software Development Intern **Sept. 2026 – Dec. 2026**
Intelligence Industrielle, Montréal

- Develop full-stack features for manufacturing applications with React, Node.js/Express and MongoDB.
- Design and integrate REST APIs and generative AI features into production workflows.

Software Development Intern **Sept. 2025 – Dec. 2025**
Thales (TRT / TDS), Quebec City

- Designed, programmed and tested backend services as well as console and web applications.
- Developed and maintained software components supporting the group's MLOps pipeline.
- Performed tests (unit, integration) to validate the reliability and compliance of the solutions.
- Took part in the team's Agile activities (daily meetings, sprint planning, reviews and retrospectives).

Robotics and Programming Intern **Jan. 2025 – Apr. 2025**
General Electric Aerospace, Bromont

- Programmed interfaces and control modules in C# with WPF for human-machine interaction.
- Contributed to machine vision projects related to the precise positioning of parts and the detection of errors.

Optoelectronics Intern and Software Developer **June 2024 – Aug. 2024**
Iridis Technologies, Montreal

- Collaborated with the ÉTS optoelectronics laboratory: research into new solutions for detecting plastic contaminants in food using THz wave testing.
- Designed, wrote, tested and debugged solutions in Python, QT and LabVIEW for the processing and analysis of data (spectral and THz imaging).

Bilingual Technical Support Intern **May 2022 – Aug. 2023**
Randstad Intérim, Montreal

- Responded to support requests through various channels, diagnosed software and hardware issues, and followed up on incidents.

ACADEMIC PROJECTS

Industrial RAG Assistant **Oct. 2026 – Present**

- Designed and built an AI system end to end (Next.js, FastAPI, PostgreSQL/pgvector, Docker): document ingestion, chunking and embedding pipeline, and LLM-based answering grounded in source citations; evaluated with a golden set, with tests and GitHub Actions CI. Repo: github.com/landry160/industrial-rag-assistant

Development of a Book E-commerce Platform **Sept. 2022 – Dec. 2022**
Cégep de Granby

- Programmed C# features to implement modules for user management, adding books, payment (Stripe) and order processing.

Programming Competition (CoveoBlitz) **Jan. 2025**

- Took part in the design of a game in C#

OTHER WORK EXPERIENCE (PART-TIME)

Shift Manager **Feb. 2020 – Present**
McDonald's

- Manage a team of 5 to 20 people
- Supervise daily operations during shifts, ensuring compliance with safety and quality standards

PROFESSIONAL DEVELOPMENT AND ACADEMIC AWARDS

English Immersion **June 2021 – July 2021**

- Brock University, Ontario

CPMT Scholarship, Commission des partenaires du marché du travail **June 2022**

- Award granted for involvement in a training program aimed at addressing the labour shortage, given to students who successfully completed their courses.

HOBBIES AND INTERESTS

- Soccer
- Cybersecurity and artificial intelligence
- Guitar
- Weight training