William Caron-Bastarache

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EDUCATION

Université de Montréal — Montréal, QC
B.Sc. in Computer Science (Expected 2027) — *2024 – Present*
- Relevant coursework: Software Engineering, Theoretical Computer Science, Probability, Programming

Cégep Édouard-Montpetit — Longueuil, QC
Business Administration with Mathematics — *2021 – 2024*

École internationale Lucille-Teasdale — Brossard, QC
High School Diploma — *2016 – 2021*

TECHNICAL SKILLS

Programming: Java, Python, TypeScript/JavaScript (React, Next.js), HTML, CSS, Bash
Familiar with: OCaml, Assembly, VHDL, NumPy, Pandas, scikit-learn, Matplotlib
Tools: Git, GitHub, Linux, Docker, Maven, IntelliJ, VSCode, Vercel, LaTeX
Languages: French (native), English (fluent), Spanish (basic)

PROJECTS

MaVille | *Java, Maven, REST, CLI App* — 2025
- Developed a municipal management system with persistence, user profiles, notifications, and API integration.
- Implemented resident/contractor features and data persistence (CSV/JSON).
- Added automated testing with JUnit.

Campus Interactive Map | *Next.js, MapLibre-GL, Vercel* link — 2025
- Built a web application to display Université de Montréal campus buildings, parking, and POIs.
- Integrated OSM data and interactive map layers.
- Deployed with GitHub + Vercel.

EXPERIENCE

Lifeguard — 2022 – Present
City of Brossard — *Brossard, QC*
- Ensured safety and responded to emergencies in high-traffic pools.
- Developed teamwork, communication, and crisis management skills.

Nightshift Receptionist — 2024
Hotel Labelle — *Montréal, QC*
- Managed front-desk operations during night shifts, ensuring safety and service continuity.
- Strengthened organizational and communication skills in a high-responsibility role.

Volunteer Experience — 2016 – 2021
Various Organizations — *Brossard, QC*
- Assisted with school renovations, fundraising campaigns, and event preparation.

CERTIFICATIONS

Machine Learning with Python (IBM)

National Lifeguard Certification (Pool) – Société de Sauvetage

Red Cross First Aid (16h)

INTERESTS

Artificial Intelligence, Software Development, Fitness, Swimming