

Lucian Lavric

CANADIAN CITIZEN (J-1, TN, H-1B VISA ELIGIBLE)

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EDUCATION

Honours in Computer Science

Western University (Co-op)

London, ON

Expected April 2028

- Dean's Honour List (2024-26); **First Place – S:Hacks (Scotiabank, 2025)**; Foresters Financial Scholarship (\$2,500/year)
- Coursework:** Computer Organization & Architecture, Data Structures & Algorithms, Applied Logic, Software Engineering, Mathematical Structures (proof-based), Linear Algebra, Statistics

TECHNICAL SKILLS

Languages: TypeScript, JavaScript, Java, Python, C, SQL, Bash

Frameworks & Tools: PGvector, FAISS, React, Next.js, Spring Boot, FastAPI, tRPC, Drizzle ORM, Vitest, PostgreSQL (pgvector), MariaDB, Supabase, Azure, Docker, Kubernetes, Helm, Git, CI/CD (GitHub Actions), Linux

EXPERIENCE

Scotiabank – Global Banking & Markets Engineering

Software Engineer Intern | Java, Spring Boot, Kubernetes, Azure, PostgreSQL, Python

May 2026 – Present

Toronto, ON

- Trimmed **60%** of unused flags from a KYC endpoint's SOAP payload, cutting multi-second response times on a **\$360B+ AUM** platform
- Built an internal AI documentation platform's backend end to end, migrating the vector store from FAISS to pgvector to power RAG codebase Q&A for 10,000+ engineers.

Hack Western

Web Lead | Next.js, tRPC, TypeScript, PostgreSQL, Drizzle ORM, Cloudflare, GitHub Actions

January 2025 – Present

London, ON

- Shipped the applicant platform (applications, auth, judging, CTF) for **2,000+** applicants by leading **7 developers**
- Cut event check-in to a single scan for **2,000+** attendees by issuing JWT-signed Google Wallet passes and a QR scan endpoint
- Re-engaged **4,000+** past hackers by migrating transactional email to Cloudflare and building a resumable, unsubscribe-compliant campaign pipeline

Dejero

Software Engineer (Contract, Federal Election Broadcasts) | Python, Selenium, Twilio

March 2025 – April 2025

Across Canada

- Automated transponder bandwidth monitoring using a Python/Selenium script with Twilio SMS alerts, eliminating manual dashboard checks in low-connectivity venues where the web client could not stay running
- Operated and troubleshooted transmission hardware across **35+** live election broadcasts reaching **30M+** viewers

TECHNICAL PROJECTS

3D Western | React, Next.js, TypeScript, FastAPI, Python, MariaDB

3dwestern.ca

- Built a secure REST API using FastAPI and MariaDB with token auth and rate limiting for **2,000+** users
- Developed 3dwestern.ca and the member dashboard using Next.js, TypeScript, and Tailwind, supporting **\$116K+** in equipment and fundraising and improving accessibility for **40,000+** students and faculty

@hunterchen/canvas | TypeScript, React, Canvas API

npmjs.com/@hunterchen/canvas

- Co-developed an npm canvas-rendering library using TypeScript and a type-safe React context API, with performant pan/zoom and viewport-optimized visibility, reaching **1,000+ downloads** across **26 releases**

AWARDS & INTERESTS

FIBA U18 European Championship Bronze Medalist (Moldova); [Sports Analytics Poster at CMSAC \(Carnegie Mellon\)](#)