Yassine Yandouzi

Computer Engineering student (co-op) · Computer vision, ML and AI security

Ottawa - Gatineau, ON / QC · yandouziyassine.github.io · github.com/yandouziyassine · linkedin.com/in/yassine-yandouzi

EDUCATION

University of Ottawa Sep. 2024 – May 2028

Bachelor of Applied Science, Computer Engineering (co-op), third year Ottawa, ON

Relevant coursework: Data Structures & Algorithms, Software Construction I & II, Computer Architecture I–III, Digital Systems I & II, Signals & Systems, Networking & Data Communication (CCNA track), Probability & Statistics

PROJECTS

Computer Vision Project Library 2026

PyTorch, YOLO11, OpenVINO, ONNX, CLIP, SAM, OpenCV

- 19 end-to-end computer vision projects, each measured on a public benchmark, e.g. PatchCore reimplemented from scratch (image AUROC 1.000 / 0.999 / 0.977 on MVTec AD)
- Deployed detectors 17× faster on a laptop iGPU/NPU with OpenVINO and INT8; browser demo with ONNX Runtime Web

JoBal, AI-powered job application platform 2025 – 2026

Next.js 16, React 19, Firebase, DeepSeek API, Stripe, MCP, Vercel

- Built and shipped a full-stack platform that tailors resumes and cover letters per posting and grades them with an ATS score (0–100 plus missing keywords)
- Hardened every API route against IDOR with Firebase ID-token verification, Zod validation and default-deny Firestore rules; remote MCP server with OAuth 2.1 (PKCE + DCR)

Universal File Converter Dec. 2025

Java, Spring Boot, Apache POI, Docker, AWS/Railway

- Production REST API for batch conversion of 7+ file formats (PDF, DOCX, HEIC, TIFF) up to 1 GB per upload

Financial Risk Analytics Dashboard, PolyFinance Datathon 2025 Nov. 2025

Python, FastAPI, React, scikit-learn, spaCy, Docker, AWS

- Top 10 finish: interactive risk dashboard over real financial datasets

EXPERIENCE

Data Analyst Intern (incoming co-op) Winter 2027

Health Canada

Crew Member
May 2024 – Present

Top Karting
Gatineau, QC

- Redesigned scheduling workflows and standardized reporting, improving operational efficiency by 35 %
- Team of 10 serving 150+ customers per event; performance summaries and bottleneck analysis for management

Student Painter
Summer 2023

Student Works Painting
Gatineau, QC

- Prepped and painted residential interiors and exteriors as part of a small crew

Customer Service Attendant
Oct. 2022 – May 2023

Couche-Tard
Gatineau, QC

- Served customers at a busy convenience store, processing cash, card, fuel and lottery transactions accurately

SKILLS

Languages: Python, Java, JavaScript, TypeScript, C, C++, SQL, HTML/CSS, Assembly, MATLAB

Computer vision & ML: PyTorch, YOLO, OpenCV, ONNX, OpenVINO, scikit-learn, Hugging Face

Frameworks: React, Next.js, Node.js, NestJS, FastAPI, Spring Boot, Flask, Django, Tailwind CSS

Tools & platforms: Git, Docker, GitHub Actions, CircleCI, AWS, Google Cloud, Azure, Vercel, Redis, Linux, Raspberry Pi, FPGA (Quartus II)

AI & security: MCP servers, OAuth 2.1 (PKCE), OpenAI/DeepSeek APIs, nmap, Wireshark, MITRE ATT&CK

LANGUAGES

French (fluent) · English (fluent) · Arabic (native)