

Jordan Roberts

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EDUCATION

Western University

Expected Graduation: May 2028

Bachelor of Computer Science

London, ON

- **Relevant Coursework:** Data Structures & Algorithms, Software Tools & Systems Programming, Computer Organization & Architecture, Applied Logic for Computer Science, OOP (Java), Calculus I & II, Linear Algebra

EXPERIENCE

Black Students' Association, Western University

2026 – Present

Website Coordinator — Next.js, TypeScript, Tailwind CSS, Vercel

London, ON

- Co-lead frontend development of the BSA's official 2026–27 website, building reusable responsive components and interactive mobile/desktop sections in Next.js and TypeScript.
- Translate team requirements into production UI, debug navigation, animation, responsive-layout, and deployment issues, and ship updates through Git/GitHub and Vercel.

McMaster University

Mar. 2025 – Jun. 2025

High School Tutor (STEM) — Mentoring, STEM Instruction, Java

Hamilton, ON

- Led small-group STEM workshops and 1:1 support, diagnosing learning gaps and adapting practice plans that improved student performance by an average of ~5%.
- Mentored students through Java and technical problem-solving by breaking complex concepts into repeatable steps and providing real-time feedback.

Film.Ca Cinemas

Feb. 2025 – Present

Associate — Customer Service, Teamwork

Oakville, ON

- Streamline peak-period order handling and POS operations, reducing estimated average transaction time by ~15% while maintaining health, safety, and service standards.

PROJECTS

Snackr | [Live App](#)

Python, FastAPI, PostgreSQL, Supabase, Hugging Face, Meta Graph API

- Built the Python/FastAPI backend for a campus free-food platform, ingesting public Western club Instagram posts through Meta Business Discovery and persisting normalized posts, media, and events in PostgreSQL/Supabase.
- Implemented multimodal Hugging Face Qwen classification with Pydantic structured outputs, provider routing/repair, and caption/image fallbacks to identify explicit free-food events and reject incomplete or irrelevant posts.
- Added Alembic migrations, ingestion leases/checkpoints, retry/review endpoints, processing-attempt observability, and 159+ automated tests across ingestion, classification, and API behavior.

MyHealthPal | [Doctor App](#) | [Patient App](#) | [Tribe Network Hackathon](#) — Winner

React Native, Expo, Next.js, FastAPI, OpenAI, MongoDB

- Owned implementation of symptom-check and document-upload flows in React Native and Expo, connecting mobile screens to FastAPI endpoints and OpenAI-backed response generation.
- Built reusable NativeWind components and defined/tested frontend-backend contracts, debugging data-shape mismatches across Next.js, FastAPI, and MongoDB during hackathon delivery.

LEADERSHIP & TECHNICAL EXPERIENCE

FIRST Robotics (Build & Coding)

Dec. 2023 – Jun. 2024

FIRST Robotics Team — Java, Troubleshooting, Soldering

Milton, ON

- Diagnosed wiring, sensor, and control failures using electrical checks and repeatable field tests to improve robot reliability before competition.
- Tested and debugged Java control-code changes, isolated failure points, and coordinated with build and coding teammates during robot integration.

AWARDS & ACTIVITIES

Awards: Black Youth AI Hackathon (3rd) | ProdX (Best Novice Team) | HackConcordia (Best Use of Gemini)

TECHNICAL SKILLS

Languages: Python, Java, JavaScript, TypeScript, SQL, HTML/CSS

Libraries & Frameworks: FastAPI, Next.js, React.js, React Native, Pydantic, Tailwind CSS, NativeWind, NumPy, pandas

Databases & APIs: PostgreSQL, Supabase, MongoDB, RESTful APIs, Hugging Face, OpenAI API, Meta Graph API

Developer Tools: Git/GitHub, Vercel, Render, Alembic, pytest