Connor Cassiotis

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EDUCATION

University of Western Ontario | London, ON **April 2027**

B.S. in Computer Science, Minor in Software Engineering

- **Courses:** Databases, Operating Systems, Computer Organization, Data Structures, Algorithms, Machine Learning, Database
- **Honors:** The Western Scholarship of Distinction

TECHNICAL SKILLS

Languages: Java, Python, TypeScript, JavaScript, SQL, HTML5, CSS3
Frameworks & Libraries: Next.js, React, Node.js, Streamlit
Tools & Technologies: PostgreSQL, Git, REST APIs, Stripe API, Google Maps API, NASA EONET API

PROJECTS

LangQuest | *Next.js, TypeScript, PostgreSQL* **|** *Live Demo* **August 2025**

- Full-stack language learning app using **Next.js, TypeScript, and PostgreSQL** with user authentication, lesson progression tracking, and real-time progress updates across **20+ interactive component**s
- Implemented gamification features including hearts system, XP points, leaderboards, and quest tracking, plus **Stripe integration** for premium subscriptions with unlimited hearts and bonus content

Disaster Tracker | *React, API, CSS3, JavaScript* **|** *Live Demo* **Sept 2025**

- A real-time disaster tracking app using **React and Google Maps API** that visualizes natural disasters worldwide from **NASA's EONET database**, with custom markers for **13 disaster types** including wildfires, earthquakes, and floods
- Implemented smart clustering to group nearby events based on zoom level, reducing map clutter and improving performance when displaying **200+ active disasters** simultaneously

NBA Predictor | *Python 3.11, Streamlit, Pandas, NumPy, Machine Learning* **|** *Live Demo* **Oct 2025**

- Developed an AI-powered NBA game prediction platform using **Python** and **machine learning algorithms** to analyze team matchups and generate real-time win probability forecasts, featuring a responsive **Streamlit** interface with interactive data visualizations and predictive analytics
- Deployed scalable web application on **Render** with custom theming architecture, implementing advanced CSS animations, glassmorphism design patterns, and robust state management to create an engaging, production-ready user interface