

PHILIPPE TURCOTTE

☎ (819) 640-5828 ✉ philippe.turcotte3@usherbrooke.ca 🌐 linkedin.com/in/philippe-turcotte-734a3b159/ 📄 github.com/turcottep

Education

Université de Sherbrooke

2024 - May 2026

Master's Degree in Artificial Intelligence - GPA: 4.05/4.3

Sherbrooke, QC

Université de Sherbrooke

2018 - 2022

Bachelor's Degree in Robotics Engineering - GPA: 4.02/4.3

Sherbrooke, QC

- Courses: Programming and Algorithms, Distributed Systems, Computer Vision, Object-Oriented Modeling and Programming, Formal, Probabilistic, and Bio-inspired Artificial Intelligence, Operating Systems and Computer Architecture, etc.
- Internships: Backend Developer, Robotics Developer, Robotics Developer, Embedded Developer

Work Experience

Mecene.ai

January 2023 – Now

Co-founder / AI Developer

Sherbrooke, QC

- Developed an AI system automatically converting podcast videos into one-minute clips.
- Fine-tuned ChatGPT and Gemini on a dataset collected from YouTube.
- Implemented automatic detection and framing of the speaking individual.
- Deployed a decentralized architecture on Runpod (GPU) to handle various processing stages.
- Stack: Docker, Python, OpenCV, PyTorch, Whisper

Freelancer

January 2025 – March 2025

Shopify Developer / Systems Integrator

Sherbrooke, QC

- Designed and deployed a complete Shopify store for a local bike shop, including theme customization, product management, collections setup, and customized shipping options.
- Automated synchronization for over 10,000 products with their supplier using a Node.js script coupled with Shopify's GraphQL API and an internal database.
- Integrated the system with the supplier to reflect online inventory and automate order fulfillment.
- Stack: GraphQL, Liquid, Node.js, Puppeteer

Freelancer

October 2024 – March 2025

Full-stack Developer

Sherbrooke, QC

- Full-stack development of a web application optimizing RRSP/TFSA tax strategies for an accounting firm.
- Implemented a recommendation algorithm based on the user's income and deductibles.
- Created an interactive form along with tables and graphical result representations.
- Stack: Next.js, React, Node.js, Express, PostgreSQL, Supabase

Comet.xyz

January 2024 – December 2024

Blockchain Developer

Sherbrooke, QC

- Designed an automated NFT arbitrage bot on Solana, generating a net profit of \$300K on \$12M trading volume.
- Optimized reaction speeds to <100ms by deploying globally distributed dedicated servers (New York, Frankfurt, Tokyo), storing data in RAM via Redis, optimizing Linux server configurations, and customizing multiple Solana libraries.
- Stack: Linux (Ubuntu), Typescript, Rust, Solana

Technical Skills

Programming Languages: Typescript, Javascript, Python, SQL, HTML, CSS

Development Tools: GCP, AWS, Postman, Git, Docker, Jira, Opencode, Codex

Libraries/Frameworks: Next.js, React, Node.js, PostgreSQL

Languages: French, English (Bilingual)