

JAMES VICTOR ALVAREZ

Montréal, QC | jamesvictoralvarez@gmail.com | www.jvalvarez.com | linkedin.com/in/jv-alvarez | github.com/JamesVictorAlvarez

SKILLS

- Programming Languages: TypeScript, JavaScript, Python, Java, SQL, HTML, CSS
- Frameworks: React, Next.js, Node.js, Express, Redux, Tailwind CSS, Socket.io, FastAPI, Flutter
- Tools & Platforms: Git, Docker, AWS, PostgreSQL, MongoDB, Redis, Firebase, Vercel, Netlify
- AI & Systems: LangChain, NLP pipelines, LLM API integration, multi-agent orchestration, agentic web automation, Unity (C#), SDL2/SDL3

EDUCATION

- Concordia University** **Expected May 2027**
Bachelor of Science — Computer Science *Montréal, QC*
- Vanier College** **2021 – 2024**
DEC in Computer Science *Montréal, QC*
- Honour Roll (2022, 2023)

EXPERIENCE

- Full Stack Developer** **Feb 2026 – Aug 2026**
Université de Montréal *Montréal, QC*
- Architected and delivered a full-stack AI-powered eLearning platform as primary engineer across frontend, backend, and AI integration.
 - Led task delegation and sprint planning as Team Lead, coordinating contributors to maintain delivery timelines and code quality.
 - Built responsive, accessible UI components and modular backend services for dynamic content delivery and user progress tracking.

- Software Engineering Intern** **May 2024 – Aug 2024**
MR Control Systems International *Montréal, QC*
- Designed and deployed IoT automation dashboards consolidating real-time device telemetry into a unified operations interface.
 - Integrated Sinolta data sources into dashboard pipelines, streamlining ingestion and reducing manual reporting overhead.
 - Collaborated with engineers to identify automation opportunities and improve operational efficiency.

PROJECTS

- Multi-Agent Predictive Analytics System** | Python | LangChain | FastAPI | PostgreSQL | React
- Architected a multi-agent AI pipeline where specialized agents collect, process, and cross-validate live statistical data streams from APIs.
 - Built probabilistic inference and orchestration layers for confidence-scored predictions and low-latency multi-step workflows.

- Music Guesser** | React | Socket.io | Express | Vite
- Developed a real-time multiplayer web game with a Socket.io event model for low-latency client synchronization; deployed to Vercel.

- OrderUp** | Flutter | Firebase
- Built a cross-platform restaurant order management system with real-time kitchen and front-of-house order tracking using Firebase.

LANGUAGES

- English, French, Tagalog