

Charles-Olivier Ipperciel

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EDUCATION

Université de Sherbrooke

Master's Degree in Computer Science, Part-Time

Québec, Canada

Starting Sep 2026 – Aug 2028

Université de Sherbrooke

Bachelor's Degree In Computer Science COOP Program

Québec, Canada

Jan 2022 – April 2025

HEC Montréal

Bachelor's Degree in Business Administration, 2-Year Major

Québec, Canada

Sep 2019 – Dec 2021

EXPERIENCE

Customer Success Manager

Institut du E-Commerce

Oct 2025 – Present

Hybrid

- Ensuring our students are **well equipped** and helped throughout their e-commerce learning experience.
- This role focuses on **student support** and success in their e-commerce education journey.
- **Monitor** student progress and provide **personalized guidance** to enhance their learning outcomes.
- **Collaborate** with instructors and management to improve course content and student engagement strategies.
- Technologies: **Circle, Slack**.

Buyer & Full Stack Developer

A1 Imports

May 2025 – Present

Hybrid

- Accepted full-time position at A1 Imports under the **A1 Arbitrage Division**.
- **Source** suppliers, **negotiate** contracts, and **ensure** timely deliveries.
- **Develop** sales forecasts to support **strategic** business growth.
- **Built** an application using **SP-API, React** and **Python** to automate tasks and improve efficiency.
- Technologies: **React, Python, Firebase, Amazon SP-API, Office Suite, Fidelio ERP**.

Full Stack Developer

MEDomicsLab

May 2024 – May 2025

Hybrid

- Developed and implemented **new features** for MEDomicsLab, an **open-source** AI healthcare platform.
- Enhanced machine learning tools, improved scalability, and implemented **MongoDB** to handle larger datasets.
- Worked on frontend (**React**) and backend (**Python**) for better database communication.
- Full-time internship transitioned into a **part-time role**.
- Technologies: **Python, MongoDB, React.js, Git**.

Backend Developer

Sherweb

Aug 2023 – Dec 2023

Remote

- Developed **new features** in the billing team, fixed **bugs**, and monitored/debugged software daily.
- Integrated the Braintree software for credit card processing, replacing Paysafe in a **C#** codebase.
- Worked in an **Agile** environment with daily scrums.
- Technologies: **C#, .NET, Azure DevOps, Datadog, Octopus, Git, MySQL**.

Full Stack Developer

Quatro Inc.

Jan 2023 – May 2023

On-site

- Built an app for tracking employee hours at construction sites.
- Developed UI/backend in **Python** with **MongoDB** as the database option.
- Aided in **ERP** selection for digital transformation.
- Technologies: **Python, MongoDB, Git**.

PROJECTS

- Vitopia – Visual Simulations of Computer-Biological Entities** | *C++, OpenGL, Git* 260-Hour Project
- Developing an AI 2D **shader-based** simulation to observe evolving organisms in complex societies.
 - Models ecological behaviors, reactions to stimuli, and economic interactions.
 - Project will be deployed online and available on **GitHub**.
- Coded Kingdom** | *Godot, Python, Aseprite, Git* 130-Hour Project
- Designed a **pixel-based** game that teaches programming through interactive gameplay.
 - Players must write code and execute it to advance their characters through the levels.
 - This was one of my final bachelor's projects, with all code and the latest release available on **GitHub**.
- Budgetly** | *React, Tailwind CSS, Firebase* Private Tool
- Developed a private tool using **React** and **Tailwind CSS** to manage my personal budget.
 - Implemented **Firebase** backend for secure data storage and real-time synchronization across devices.
 - Created an intuitive user interface with modern design principles for efficient budget tracking and analysis.
 - Features include expense categorization, budget goal setting, and comprehensive financial reporting.
- Taskline** | *React, SP-API, Firebase, Make.com* Private Tool
- Developed a private tool using **SP-API** to better utilize data from our seller central at work.
 - Implemented automated data processing workflows using **Make.com** for seamless integration.
 - Built a **React** frontend with **Firebase** backend to provide real-time analytics and insights.
 - Streamlined business operations by centralizing seller central data and improving decision-making processes.
- Insulin Dosage Calculator** | *React, Firebase, HTML/CSS, Git* Personal Project
- Developed an application that calculates **insulin dosage** for newly diagnosed type 1 diabetes patients.
 - This application is used by pediatric residents to verify their written calculation results at Fleurimont Hospital.
 - Hosted and deployed on **Firebase**.

TECHNICAL SKILLS

Languages: Python, Java, C#, C++, JavaScript, HTML/CSS, SQL (PostgreSQL), MongoDB (NoSQL).
Libraries/Frameworks: React, Angular.
Developer Tools: Git, Docker, Azure DevOps, Octopus, Datadog, CI/CD, Linux, Godot, Office Suite, Circle app, Slack.
Video Editing: Adobe Premiere Pro, Adobe Photoshop, Pixaki (Pixel Art), Aseprite.
Linguistics: Fluent in both spoken and written French and English.