

## EDUCATION

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McGill University, Montreal, QC, Canada

**B. Sc. Software Engineering**

**Fall 2021 – Winter 2025**

## PROJECTS

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### Productivity Dashboard

**2025**

Implemented an interactive task manager that allows users to add, edit, delete, mark complete, reorder, and filter tasks. Features persistent storage with LocalStorage, inline editing, drag-and-drop reordering, and a responsive, clean UI.

**Tools used:** HTML, CSS, JS, DOM Manipulation, LocalStorage

### Web-based Board Game App

**2025**

Developed an interactive web app featuring Checkers and Konane, playable in local 1v1 or AI modes. Implemented an AI opponent using Minimax with alpha-beta pruning and multiple difficulty levels. Designed scalable boards and responsive UI with Tailwind CSS.

**Tools used:** React, TypeScript, Vite, Tailwind, Canvas/SVG

### Chef Claude

**2025**

Built a single-page web application that generates recipes based on the ingredients you have on hand, powered by Claude AI.

**Tools used:** React, React State, React Forms, Express.js, Node.js, Anthropic Claude AI

### SMARTLY Goals

**2025**

Built an interactive SMART goal-setting platform that uses an AI-powered review system to evaluate and refine user-generated goals. The app provides real-time feedback for each SMART component and allows users to export their finalized goal as a formatted PDF.

**Tools used:** React, JavaScript, Vercel Serverless Functions, HuggingFace Inference API, Llama 3 Model, HTML/CSS, Node.js

### Portfolio Website

**2025**

Designed personal website intended for recruiters to learn more about me, my projects and my qualifications.

**Tools used:** JavaScript, HTML, CSS

### Mars Rover Simulator

**2025**

Collaborated in a 7-member Agile team to build a Mars rover simulator using NASA HRSC MOLA data. Applied OOP to design modular pathfinding algorithms (A, BFS, DFS) and a tab-based interface, implemented SQLite storage, managed workflow with Git, and followed the full software engineering lifecycle from specification to implementation.

**Tools used:** Python, pygame, SQLite, Jira, Git

## TECHNICAL SKILLS

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**Programming Languages:** Python, Java, Swift

**Web Technologies:** JavaScript, Typescript, HTML, CSS, SQL, Tailwind, Vite

**Frameworks:** Express.js, Node.js, React, Bootstrap

**Libraries & APIs:** Pandas, JSON, Axios, HuggingFace

**Dev Tools:** GitHub, Git, Azure DevOps, Docker, Visual Studio Code, PostgreSQL, Xcode, Postman, Unix, Jira

**Testing:** JUnit, unittest, Cucumber

**Microsoft Office:** Word, Excel, PowerPoint

**Languages:** English, French

## WORK EXPERIENCE

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### **Sansotei Ramen – Server (Part-time)**

**Aug 2024 - Present**

Transferable Skills: Client communication, multitasking under pressure, workflow coordination, rapid skill acquisition, service process adherence

### **AI Language Contributor for Canadian French (Contract)**

**Dec 2023 – Jan 2024**

Transferable Skills: Linguistic quality evaluation, guideline-driven review, attention to detail, error detection, written communication

### **Sushi Ya Matcha – Sushi Chef (Part-time)**

**May 2022 – Oct 2022**

Transferable Skills: Procedural accuracy, quality control, time-critical execution, team-based operations, consistency under pressure

### **Pointe-Claire Day Camps – Summer Camp Monitor**

**June 2021 – Aug 2021**

Transferable Skills: Group supervision, safety awareness, conflict resolution, activity coordination, leadership accountability

### **Dairy Queen – Crew Member (Part-time)**

**June 2020 – Jan 2022**

Transferable Skills: Transaction accuracy, time management in high-volume settings, team coordination, operational reliability

### **Dollarama – Sales Associate (Seasonal)**

**June 2019 – Sep 2019**

Transferable Skills: Inventory organization, point-of-sale operation, customer assistance, process compliance, reliability