

Seif Otefa

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EDUCATION

McMaster University

Expected Graduation: June 2028

Honors Computer Science Co-op, B.ASc

Hamilton, ON

Relevant Courses: Intro. to Programming, Intro. to Full-stack Development, Development Basics (**C**, **Git**, **Bash**)

Awards and Achievements: McMaster University Award of Excellence (**\$3000**)

TECHNICAL SKILLS

Languages: Python, C, SQL, JavaScript, PHP, Bash, Latex, Haskell

Web Development: HTML, CSS, React, Node.js, Tailwind CSS

Developer Tools and Databases: Apache, Firebase, Git, Github, MySQL, Makefile, UNIX, Visual Studio Code

Certifications: Cisco IT Essentials 

EXPERIENCE

Teaching Assistant — Stanford University

April 2025 – Present

- Taught Stanford's Code in Place (CS106A) course taken by over **1600 students**, and led weekly teaching sections for **15+ students**, providing hands-on support, clarifying concepts, and facilitating group discussions to foster collaboration and enhance learning outcomes.
- Educated students on fundamental programming principles in **Python**, leveraging beginner-friendly libraries such as Stanford's **Karel** and **Tkinter**.

Product Manager Intern — MoVA Realities

March 2025 – Present

- Conducted requirement analysis and designed system architecture for an AI-powered immersive experience platform, ensuring **scalability** and **enterprise adoption**.
- Developed a structured software development framework, defining key priorities for the **Minimum Viable Product** (MVP) with a focus on **AI integration** and **user experience**.

Founder — WeSkale

October 2024 – Present

- Designed and implemented responsive, full-stack web applications using **JavaScript/TypeScript**, **React**, **Tailwind CSS**, **Node.js**, and **Python**, collaborating with local businesses to translate technical requirements into scalable web solutions with custom features.
- Partnered with clients to create UI/UX design mockups using **Figma** and **Canva**, and deployed optimized websites through secure hosting solutions, implementing **SEO** best practices to improve search rankings and site performance.

PROJECTS

Spark and Prepper — React, Tailwind CSS, Node.js, Express.js, Gemini API, Firebase

- Led a team of 3 to develop a fullstack AI-powered study app at GDSC Hacks 2025 that transforms over **60 pages** of uploaded course materials into flashcards, quizzes, and study guides in less than **10 seconds**, with an integrated AI chatbot tutor using **Gemini API** and **Node.js**.
- Built a frontend landing page and user dashboard with **React**, **Tailwind CSS**, and **Vite**, optimized to load user's study packs in under **1 second**.
- Engineered a file upload and fetching pipeline using **Google Firebase** cloud storage, with efficient routing logic in **Node.js** and **Express**.

BookMate! — JavaScript, PHP, MySQL

- Developed a full-stack booking platform for a local landscaping business as part of a 3-member team, using PHP for backend logic, MySQL for data persistence, and modular JavaScript for interactivity.
- Implemented secure authentication system with login/registration functionality, session management, and role-based access control for staff, with real-time calendar updates using AJAX and the JavaScript FullCalendar API.

MatrixSolver! — C, Bash

- Built a modular C library for matrix operations: addition, subtraction, multiplication, and transpose.
- Solved linear systems using Gaussian elimination and tested functionality with Bash scripting.