

# Seif Otefa

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## EDUCATION

### McMaster University

September 2024 - Present

*Honors Computer Science, BAsC*

*Hamilton, ON*

Relevant Courses: Intro. to Programming (**Python**), Intro. to Full-stack Web Development (**JavaScript, PHP**), Development Basics (**C, Git, Bash, Data Structures**), Linear Algebra, Intro. to Computational Thinking (**Haskell**)

### Cisco

*IT Essentials Certificate*

*April 2023*

## TECHNICAL SKILLS

**Languages/Frameworks:** Python, C, SQL (MySQL), JavaScript, HTML/CSS, PHP, React, Node.js, Haskell

**Developer Tools:** Apache, Git, Github, UNIX, VS Code

## EXPERIENCE

### Product Manager Intern

March 2025 – Present

*MoVA Realities*

*Remote*

- 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**.

### Student Instructor

April 2025 – Present

*Stanford University*

*Remote*

- 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**.

### Founder

October 2024 – Present

*WeSkale*

*Remote*

- Created UI/UX designs using **Figma** and **Canva**, designed and implemented responsive, full-stack web applications for clients from scratch utilizing languages and frameworks including **JavaScript/TypeScript, React, Tailwind CSS, Node.js** and **Python**.
- Partnered with local businesses to gather technical requirements, translating client needs into scalable web solutions and custom features.
- Deployed and optimized websites for clients through secure hosting solutions, implementing **SEO** best practices to improve search rankings and site performance.

## PROJECTS

### EvenMatch! | *C, Bash*

- Designed and implemented a terminal-based 2048 game in **C**, featuring smooth movement and merging logic.
- Optimized game mechanics with efficient input handling and a structured modular approach for maintainability.

### BookMate! | *JS, PHP, MySQL*

- Collaborated with a local business to develop a full-stack automated booking system using **Javascript, PHP** and **MySQL** database.
- Optimized database queries and backend logic to improve booking efficiency, reducing load times by 50% and enhancing user experience

### MatrixSolver | *C, Bash*

- Designed and implemented a **library in C** for performing matrix operations, including addition, subtraction, multiplication, transpose, and solving linear systems using Gaussian elimination.
- Utilized **dynamic memory allocation and deallocation** to handle matrices of varying sizes, ensuring efficient resource usage and preventing memory leaks.