Seif Otefa

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EDUCATION

McMaster University   September 2024 - April 2028 *(Expected)*
Bachelor of Applied Science, Honors Computer Science Co-op   **GPA**: *3.6/4.0*

Relevant Courses: Data Structures and Algorithms, Computer Architecture, Software Development (**OOP, Java**), Development Basics (**C, Git, Linux**), Full Stack Development (**HTML/CSS, JavaScript, PHP**),
Awards and Achievements: Dean's Honour List, McMaster University Award of Excellence (**$3000**)
Certifications: Cisco IT Essentials 🔗

TECHNICAL SKILLS

Languages: Python, HTML, CSS, C, SQL, Java, JavaScript, TypeScript, PHP, Bash, Latex, Haskell
Frameworks: React, Node.js, Tailwind CSS
Developer Tools and Databases: Apache, Firebase, Git, Github, MySQL, Makefile, Unix, Visual Studio Code
Other Skills and Concepts: MS Office, Canva, Figma, Agile, CI/CD, Social Media Marketing, REST APIs, OOP

EXPERIENCE

Robotics Instructor — *O'Botz Robotics*   *July 2025 – Present*
- Taught robotics, electronics, and programming through hands-on robot assembly, coding, and troubleshooting for students of varying ages.
- Curated curriculum content, maintained robotics kits, and collaborated with parents and staff to align lessons with OBotz standards.

Research Intern — *WoulibX Inc.*   *July 2025 – September 2025*
- Led end-to-end **market and UX research** across ridesharing and on-demand platforms, analyzing competitor features, user journeys, and growth trends to inform product design and positioning.
- Designed strategic product frameworks including **market gap analysis, user personas, value propositions, and AI-driven feature concepts** (e.g., driver forecasting, preference matching) to support roadmap decisions.
- Built **risk and opportunity models** (legal, operational, UX) and contributed to final strategic recommendations, shaping WoulibX's go-to-market strategy with data-backed insights and presentation deliverables.

Product Manager Intern 🔗 — *MoVA Realities*   *March 2025 – May 2025*
- Collaborated with a team of 4 to define MVP framework for an AI-powered immersive experience platform by delivering a **30-page requirements analysis report**, outlining **21 core features** split across **8 key sections**.
- Created comprehensive technical documentation, UI/UX mockups, and stakeholder presentations for founders and engineering teams, ensuring project deliverables met business objectives.
- Developed a **27-week phased roadmap** detailing feature rollouts, milestones, and team responsibilities to ensure structured execution and successful platform launch, cutting down expected development time by **20%.**
- Designed scalable system architecture diagrams mapping **15+ components** and their interactions, including **AI services** and **cloud infrastructure**, to streamline development and reduce integration risks.

Teaching Assistant 🔗 — *Stanford University*   *April 2025 – May 2025*
- Facilitated weekly **CS106A** sessions for 15+ students, providing hands-on support in **Python**, **Karel**, and **Tkinter** to reinforce programming fundamentals, control flow, graphics, and data structures.

Software Engineer — *WeSkale Solutions*   *October 2024 – Present*
- Built full-stack web apps for 2 local businesses using **JS/TS, React, Node.js, Tailwind CSS, Python**, creating UI/UX mockups (**Figma/Canva**) and implementing **SEO**, boosting client acquisition by **35%**.

PROJECTS

Spark and Prepper 🔗 — *React, Tailwind CSS, Node.js, Express.js, Google Gemini API, Firebase*
- Led a team of 3 at **GDSC Hacks 2025** to build a fullstack AI-powered study app that converted up to **100 pages** of course materials into flashcards, quizzes, and study guides in under **10s**, with an integrated AI tutor chatbot using **Gemini API, Node.js, and Express.**
- Developed a responsive landing page and user dashboard with **React, Tailwind CSS, and Vite**, and built a file upload pipeline with **Firebase cloud storage**, optimizing routing logic to load user study packs in under **1s**.

BookMate - Full Stack Appointment Booking App 🔗 — *JavaScript, PHP, MySQL*
- Developed a full-stack booking platform for a window cleaning business as part of a 3-member team, using **PHP, MySQL, and JavaScript** for backend, storage, and interactivity.
- Implemented secure authentication with role-based access control, session management, and real-time calendar updates via **AJAX and FullCalendar API**.