

Mahdi Mohammad

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EDUCATION

McMaster University - Computer Science

Hamilton, Ontario

B.A.Sc. Computer Science - GPA: 3.9

September 2022 - April 2026

- **Awards:** The McMaster University Award of Excellence, Deans' Honour List (2023, 2024)
- **Relevant Coursework:** Data Structures and Algorithms, Databases, Web Programming, Software Engineering Principles, Computer Architecture, Linear Algebra, Discrete and Calculus Math, Python, Java, C, Git, Shell, Haskell

PROFESSIONAL EXPERIENCE

Future Gulf Co

Mississauga, Ontario

Software Engineer

May 2024 - August 2024

- Built a dynamic e-commerce website for café brand using Next.js, React, and TypeScript, integrating a product management system for a diverse range of items from drinks to baked goods
- Designed and developed the company's corporate website using HTML, CSS, JavaScript, and jQuery, creating an interactive platform to showcase multiple brands and provide detailed company insights
- Utilized cPanel to efficiently manage the company's web infrastructure, including file system organization, domain configurations, and server-side optimizations for seamless user experience
- Regularly updated and maintained the café's product database, ensuring accuracy and timely updates to reflect new offerings and remove outdated items, improving operational efficiency

Walmart

Hamilton, Ontario

Customer Experience

November 2019 - July 2023

- Strengthened and helped supervise the growing E-Commerce business which led to sales surging 229% during the pandemic and led to increased department funding
- Tasked with training several newly hired employees each month by ensuring a smooth transition into their roles and educating them on crucial duties with a high level of detail
- Analyzed best selling and limited time products to display in active, crowded areas to tremendously boost daily store revenue that is typically around \$120,000 per day
- Organized the redesign of the store during seasonal events such as Easter, Halloween, and Christmas

PROJECTS

SimuTrade

July 2024 - Present

- Engineered a full-stack interactive candlestick trading simulator using Next.js, React, and TailwindCSS, enabling users to generate and rewind candlesticks, as well as simulate long and short positions with dynamic controls
- Built a robust user authentication, authorization, and session management system using Auth.js, ensuring secure access and personalized dashboards for tracking trading metrics
- Integrated MongoDB to store and analyze user trading data, including profit/loss, win rates, trade sizes, and durations, providing insights to help users optimize their trading strategies

Speedster

June 2024 - July 2024

- Developed and published a Chrome and Edge extension using TypeScript and the Chrome API, enabling customizable video playback speeds from 0x to 16x across all tabs
- Built a user-friendly interface in HTML and CSS with preset speed controls, keyboard shortcuts, and editable options, enhancing video viewing efficiency for users
- Automated the build process with Node.js and Webpack, delivering a production-ready extension that integrates effortlessly in browser environments with guaranteed low memory usage across multiple tabs

TECHNICAL SKILLS

- **Communication:** English, French, Arabic
- **Languages:** TypeScript, HTML, SASS / CSS, Python, Java, SQL, C#, C, Haskell
- **Libraries/Frameworks:** Next.js, React, Express, Redux, TailwindCSS, Bootstrap, jQuery
- **Tools:** Node.js, PostgreSQL, MongoDB, Git, Webpack, Linux