

# Mahdi Mohammad

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## EDUCATION

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### 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

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### Future Gulf Co

Mississauga, Ontario

Software Engineer

July 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and maintained the café's product database, ensuring accuracy and timely updates to reflect new offerings and remove outdated items, improving operational efficiency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

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### 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

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- **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