

Zain Khalboos

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Education

McMaster University

Hamilton, ON

Bachelor of Engineering (B.Eng.) – Software Engineering

McMaster English Language Development Diploma (MELD)

Relevant Coursework: Data Structures, Software Design, OOP, Computer Architecture

Technical Skills

Programming: C, Java, Python, JavaScript

Web & Frontend: HTML, CSS, UI/UX fundamentals, responsive design

Tools & Platforms: Git, Linux, Visual Studio Code, IntelliJ, Figma

Projects

Fortune Finder Game (C)

Team Project

- Developed a text-based game using arrays, pointers, and structured control flow
- Collaborated in a team environment to debug memory and logic issues

Tic-Tac-Toe with AI (Java)

- Designed an object-oriented game using clean class structure and encapsulation
- Implemented basic AI decision logic using rule-based decision making

Experience

Lyons Media Centre

McMaster University, Hamilton, ON

Multimedia Assistant

April 2025 – Present

- Assisted students with creative projects in media and audio production
- Designed flyers, illustrations, and simple animations for centre initiatives
- Supported 3D modeling and 3D printing projects

Start Coding

Remote

Coding Instructor (Volunteer)

September 2024 – December 2024

- Taught young students foundational coding concepts using a web-based educational platform
- Guided students in creating shapes, animations, and interactive elements

Leadership & Activities

MacChangers

McMaster University, Hamilton, ON

Project Team Member

September 2024 – April 2025

- Developed a project proposal addressing collaboration between local businesses and McMaster Arts graduates
- Designed a solution connecting graduates with vintage stores for customized product creation
- Worked in a multidisciplinary team to analyze problems and present solutions

McMaster Artificial Intelligence Society (MacAI)

McMaster University, Hamilton, ON

Member

September 2025 – Present

- Assisted in delivering beginner workshops on machine learning concepts

Software Engineering Society (SES)

McMaster University, Hamilton, ON

Merchandise Lead

September 2025 – Present

- Coordinated merchandise planning and supported student engagement initiatives