

Humzah Zahid Malik

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EDUCATION

Bachelor of Science, Specialization in Computer Science

September 2022 – Expected 2026

Western University

London, ON

- Dean's Honour List (2024, 2025)

TECHNICAL SKILLS

Programming Languages: Java, C, Python, C++, HTML, CSS, JS, SQL, PHP

Frameworks & Tools: Node.js, Git, Jira, VS Code, IntelliJ, Confluence, AppleScript

Operating Systems: Windows, Linux, MacOS

PROJECTS

Focus Flow – HTML, CSS, JS, Node.js, MongoDB, Todoist API

Personal Project

- Developed a productivity-focused web application featuring a custom study timer that helps users track task durations and manage their time effectively.
- Utilized Node.js for the server-side logic and MongoDB for database management, ensuring efficient data handling and user task storage.
- Incorporated the Todoist API to enable users to import, complete, and delete tasks directly on their Todoist account while using the timer.

VoxWave – Python, MediaPipe, SpeechRecognition, Spotipy, AppleScript

Personal Project

- Developed a macOS menubar application enabling users to control system functions and Spotify playback through real-time hand gestures and voice commands.
- Integrated MediaPipe for gesture recognition and SpeechRecognition for voice input to switch between scrolling, volume, brightness, and media control modes.
- Automated Spotify playlist navigation and playback using Spotipy, and leveraged AppleScript for seamless macOS system interaction.

Checkers (Object-Oriented Design and Analysis)

University Project

- Built the AI game mode in C++ using Minimax with alpha-beta pruning to simulate strategic decision-making and responsive gameplay.
- Designed and tested the user interface using Qt Widgets, including visual move highlights and undo functionality for an interactive player experience.

EXPERIENCE

Volleyball Stats Assistant

January 2024 – February 2024

Western Mustangs, Western University

London, ON

- Tracked and relayed real-time stats during home games, ensuring accuracy to assist coaches in making strategic adjustments.
- Collaborated closely with the stats team to ensure accurate and precise data collection, enhancing real-time insights and reliability for the home team during games.

Merchandiser

June 2021 – June 2022

The Brick

Regina, SK

- Managed customer pickups, delivery reports, and product assembly, ensuring efficient warehouse operations.
- Organized warehouse inventory independently, streamlining processes and reducing wait times for a smoother customer pickup experience.