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)**

TECHNICAL SKILLS

Programming Languages: Java, C, Python, C++, HTML, CSS, JS, SQL, PHP
Frameworks & Tools: Node.js, Git, Jira, VS Code, IntelliJ, Confluence
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.

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.

AtlasVenture (Intro to Software Engineering) **University Project**
- Collaborated on an educational geography game by designing interactive challenges and developing features to support user engagement.
- Implemented a regulated hint system and conducted unit and system tests to ensure functionality and smooth integration of all game components.

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.