

# Hala Alzureiqi

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## Summary of Qualifications

- **Languages:** Python, C, C++, MATLAB, HTML/CSS, JavaScript
- **Tools and Technologies:** Node.js, Express, React, Git/GitHub, REST APIs, Gemini API, ElevenLabs, Cloudinary, FFmpeg, KiCad, SolidWorks, ESP32 microcontrollers
- **Soft Skills:** Leadership, initiative, adaptability under pressure, interpersonal skills, conflict resolution

## Education

**University of Waterloo** Waterloo, Ontario  
*Bachelor of Applied Science - Biomedical Engineering, Honours, Co-operative Program* Expected May 2030

## Experience

<b>Tech Lead</b> <i>UW Muslim Student Association</i>	Jan. 2026 – Present Waterloo, ON
• Building a new orphan sponsorship web page and backend services to replace a legacy system	
• Developing internal APIs and chatbot tools to enable fast access to club information for club members	
<b>Electrical Sub-team Member</b> <i>UW Biomedical Engineering Society</i>	Oct. 2025 – Present Waterloo, ON
• Collaborated with mechanical and software sub-teams to design an assistive knee brace	
• Created PCB schematics and layouts in KiCad to support reliable EMG signal acquisition	
• Independently developed Arduino-based ESP32-S3 software to enable BLE data transmission to the software team	
<b>Software Sub-team Member</b> <i>UW Biomechatronics Design Team</i>	Sep. 2025 – Present Waterloo, ON
• Collaborated on a lower-limb exoskeleton system, focusing on system integration and control logic	
• Worked with ESP32 microcontrollers to test motors, LEDs, and hardware-software interactions	
• Supported early-stage sensor data interpretation and collaborated across electrical and mechanical sub-teams	
<b>Guest Services Associate</b> <i>Fleetway Bowling Alley - ESAM Group</i>	Sep. 2023 – Aug. 2025 London, ON
• Delivered high-quality customer service by managing reservations, POS transactions, and guest inquiries	
• Resolved customer concerns calmly and effectively, maintaining a safe and positive atmosphere for guests	
• Performed opening and closing duties including cleaning and inspecting workplace to ensure smooth operations	

## Projects

<b>BookTok</b>   <i>Node.js, Express, React, Gemini API, ElevenLabs, FFmpeg, Cloudinary</i>	Jan. 2026
• Created a full-stack AI media pipeline that transforms book summaries into short-form videos through automated text analysis and displays videos on a scrollable feed	
• Implemented an independent Node.js/Express backend, including: AI image generation, text-to-speech narration, video composition, and cloud media storage via REST APIs	
<b>To-Do List</b>   <i>Python, Flask, HTML/CSS, JavaScript</i>	Dec. 2025
• Developed a full-stack task management application using Flask, implementing REST-style routes to support task creation, updating, and deleting through backend Python logic	
• Built a front-end with HTML, CSS, and JavaScript for user interactions and reflect real-time task state changes	