Mohammad Hammad

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EDUCATION

Western University   London, ON
Bachelor of Software Engineering   *Sep. 2023 – Apr. 2027 (Expected)*
- **Relevant Coursework:** Data Structures & Algorithms, Matrix Algebra, Software Design, Software Construction

TECHNICAL SKILLS

Programming Languages: Java, Python, C#, SQL, JavaScript, HTML/CSS
Frameworks/Libraries: React.js, JavaFX, JDBC
Tools & Platforms: Git, VS Code, Visual Studio, JetBrains IDEs

PROJECTS

iGlobal Real Estate Management System | *Java, JavaFX, FXML, JDBC, DerbyDB*
- Developed a **full-stack application** with multi-role login functions using **JavaFX, FXML, and JDBC**
- Implemented secure user authentication with persistent username/password storage tied to specific user roles
- Designed a relationship between the application and **database** to manage **property listings**, **user accounts**, and **property records**

3D RPG Game | *Unity, C#*
- Built a **third-person RPG** with full **character customization** including hairstyle, beard, weapons, and armor
- Implemented enemy system with spawn locations, boss battle triggers, and camera-based cutscene transitions
- Designed modular scripts for multiple levels, challenges, and melee weapons with projectile physics and knockback feedback

NutriScan AI   *React, TypeScript, Tailwind CSS, Google Gemini API*
- Built a **nutritional assessment platform** that uses computer vision and generative AI to look at facial and hand details and highlight possible nutrient deficiencies.
- Developed dual scanning modes with a **canvas based image pipeline** that captures, mirrors, and resizes images before sending them to the AI model.
- Created a **dynamic shopping list tool** that adjusts grocery items based on the user's budget, food preferences, and real Ontario pricing.

Facial Recognition Web App | *React, Javascript, face-api.js, HTML, CSS*
- Developed a real-time **facial recognition app** that detects multiple faces, ages, genders, and emotions directly in the browser
- Used **React hooks** (`useState`, `useEffect`, `useRef`) to control webcam state, model loading, and canvas rendering
- Displayed live detection overlays with bounding boxes and text labels for detected faces using HTML5 **Canvas**

WORK EXPERIENCE

Frontend Developer Intern   Remote
Paidwork   *Sep. 2025 – Present*
- Translating Figma UI mockups into accessible, clean frontend interfaces
- Collaborating on agile sprints to refine UX and improve site performance

Frontend Developer Intern   Remote
Playtoon it, Inc.   *Nov 2025 – Present*
- Build UI components for creator tools and dashboard pages using React, TypeScript, and TailwindCSS
- Implement API routing and integrate backend endpoints for story data, user profiles, and content syncing
- Work with backend developers and cross-functional teams to connect frontend features with database logic and interactive tools

INTERESTS & ACTIVITIES

Interests: Soccer, Cars, Swimming, NHL, Chess
Clubs: Western Founders Network - Software Engineer, Tech for Social Impact