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, Node.js, JavaFX, JDBC
Tools & Platforms: Git, VS Code, Visual Studio, JetBrains IDEs

PROJECTS

iGlobal Real Estate Management System | *Java, JavaFX, FXML, JDBC, DerbyDB* — Jan. 2024 – Present
- 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**

Airplane Management Application | *Java, Data Structures and Algorithms* — May 2018 – May 2020
- Developed a **console-based airplane management** system in Java for passenger **boarding**, **disembarking**, and viewing, using **object-oriented programming**
- Applied appropriate data structures: **Queue** (FIFO) for boarding/disembarking logic and **ArrayList** for dynamic passenger list management
- Designed custom Passenger **menu** to encapsulate name and seat number, allowing structured passenger tracking.

3D RPG Game | *Unity, C#* — May 2024 – Present
- Built a **third-person RPG** with full **character customization** including hairstyle, beard, weapons, and armor.
- Implemented enemy system, with spawn locations and fighting, boss battle triggers, and cut scene camera transitions.
- Designed modular scripts for 5 different levels, challenges, and melee weapons with projectile physics, knockback, and hit feedback.

WORK EXPERIENCE

Sales Associate — London, ON
Skechers — *June 2024 – September 2024*
- Provided exceptional customer service by assisting shoppers with product selection and answering inquiries, ensuring a positive shopping experience.
- Operated cash registers, handled transactions, and processed returns accurately and efficiently.
- Maintained store appearance by restocking shelves, organizing displays, and keeping a clean and inviting shopping environment.

Janitorial Associate — London, ON
A2Z Building Maintinance — *June 2021 – July 2022*
- Collaborated with a team to perform daily cleaning and maintenance in commercial and office spaces
- Sanitized high-touch surfaces, restrooms, and shared spaces to maintain a hygienic environment
- Used mopping, vacuuming, and sweeping techniques to clean large floor areas efficiently

INTERESTS & ACTIVITIES

Interests: Soccer, Cars, Swimming, NHL, Chess

Clubs: Western Founders Network - Software Engineer, Tech for Social Impact