

Imane EL Harch

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## PROFESSIONNAL PROFILE

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Web and mobile development student soon to graduate, specializing in Android (Kotlin) and web (ASP.NET Core) application development. Interested in backend and mobile-oriented environments. Seeking a software development internship to contribute to real projects and strengthen my technical skills.

## PROJECTS

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### **Kaypic Communication**

- Web platform designed for sports and community organizations developed with ASP.NET Core
- Implementation of secure authentication and role-based access control using ASP.NET Core Identity
- Real-time messaging implementation with SignalR - Ability to share files and communicate in real time
- Development of REST APIs and documentation with Swagger
- Technologies: ASP.NET, C#, JavaScript, Razor, SignalR, ASP.NET Core Identity, Swagger

### **MemoTag**

- Android note-taking application with a tag system
- Create, edit, and delete notes
- Organize and search by tags
- MVVM architecture with local persistence
- Technologies: Kotlin, Android, SQLite, MVVM

### **Smart Tic-Tac-Toe**

- Android Game with Artificial Intelligence
- Implementation of a Winning Move Blocking Algorithm

- Game Logic Management
- Technologies: Kotlin, Android

### **Mastermind (Java)**

- Console game developed in Java
- Logical comparisons
- Object-oriented programming
- Technologies: Java, OOP, algorithms

### **Raspberry Pi Touch Display**

- IoT project using a touchscreen
- Detection of touch interactions
- Dynamic display on LCD screen
- Technologies: Python, Raspberry Pi, IoT

## **TECHNICAL SKILLS**

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- Languages: HTML5, CSS3, JavaScript, TypeScript, Kotlin, Python, PHP, Java (SE, EE, JavaFX), C#
- Tools / Platforms: Git, GitHub, Docker, Linux, Unity, Vite
- Databases / APIs: SQL, MySQL, SQLite3, REST API, Swagger
- Frameworks: React, Angular, ASP.NET, Spring Boot
- Others: IoT, Object-Oriented Programming (OOP), Responsive Web Design, Multilingual Applications (i18n), Dark/Light Mode UI

## **NON-TECHNICAL EXPERIENCE**

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- Tommy Hilfiger (2025 – Present)
- Montreal-Trudeau International Airport (2024 – 2025)

- Bureau en Gros (2022 – 2023) - Maxi (2022)
- Centre de services scolaire de Laval (2019 – 2022)

## EDUCATION

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- CÉGEP de Rosemont (Montreal, Quebec) - Diploma in Computer Technology in Web and Mobile Application Development
- CFP Léonard-De Vinci (Montreal, Quebec) - Diploma of Vocational Studies in Computer Science
- Saint-Laurent High School (Montreal, Quebec) - High School Diploma

## SKILLS

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Adaptability | Teamwork | Problem-solving | Time management | Attention to detail | Self-motivated | Data analysis | Stress management | Empathy | Clear and assertive communication | Continuous learning | Punctual