TAREK HALLOUM

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PROFESSIONAL SUMMARY

Motivated and detail-oriented Computer and Communication Engineering student specializing in Multimedia and Software Engineering. Experienced in full-stack, mobile, and game development with strong skills in UI/UX design, AI integration, and database-driven systems. Adept at using modern frameworks such as React, React Native, Flask, and Unity to build creative and scalable solutions. Passionate about innovation, teamwork, and delivering high-quality user experiences.

EDUCATION

Antonine University | Baabda   **Expected Graduation: 2025**
Bachelor of Engineering in Computer and Communication (Concentration: Multimedia & Software)

PROJECTS

(Check README for architecture, benchmarks, and run instructions)

- **HandOver – Full Platform (React Native, Flask, SQL Server, AI Integration):** Unified platform offering home, vehicle, and emergency services with real-time AI-based car damage detection and a donation system. *GitHub Repository*
- **HandOver – React Web (Car Service):** Responsive web version focusing on car-service AI detection (brand + damage) with Flask integration. *GitHub Repository*
- **HandOver – Android (Car Service Module):** Early Android (Java/XML) build using Flask and MongoDB for real-time car damage detection and brand-aware repairer matching. *GitHub Repository*
- **HandOver – Figma UX/UI Prototype (Emergency Platform):** Conceptual redesign of HandOver focusing on emergency-aid features for web and mobile, expanding beyond implemented versions. *Figma Design*
- **Zombie Invasion – 3D FPS Game (Unity, C#):** First-person survival game built in Unity with AI zombies, collectible items, and level-based challenges. *Game Download* / *GitHub Repository*

SKILLS

- **Programming Languages:** HTML, CSS, JavaScript, TypeScript, PHP, Python, Java, C++, C#, Kotlin, PowerShell, MATLAB, etc.
- **Design & Prototyping**: Figma, Adobe Illustrator, Adobe Photoshop, Adobe Premiere, After Effects, etc.
- **Databases & Data:** SQL, MySQL, MongoDB, Oracle PL/SQL, XML, JSON, Flask, Okhttp, Firebase, etc.
- **Web & App Development:** React, React Native, Node.js, Flutter, Android Studio, Laravel, Express.js, etc.
- **Networking & Infrastructure:** TCP/IP, DNS, DHCP, HTTP/S, FTP, Cisco routing and switching, Packet Tracer, etc.
- **Tools & Platforms:** Figma, Git, GitHub, Postman, Linux, Visual Studio Code, Eclipse, Azure, etc.
- **Soft Skills:** Problem-solving, teamwork, leadership, adaptability, creativity, technical writing, customer support, attention to detail, time management.
- **Communication:** Fluent in English, French and Arabic; Beginner in Russian.

WORK EXPERIENCE

Ogero | Bir Hassan   **May. 2024 – Jul. 2024**
Telecommunication and Network Engineering Intern

> Gained hands-on experience in network infrastructure, FTTH systems, and cable testing using OTDR and Dynatel.

Telecel Global | Badaro   **Jun. 2023 – Jul. 2023**
Network Operations Center (NOC) Intern

> Monitored network performance, handled ticket escalation, and supported routing and troubleshooting operations.

CERTIFICATES

- **OGERO Internship Certificate –** *View*
- **Telecel Global Internship Certificate –** *View*