

Soulaymane Azzouz

Master's Student (M2) - Microelectronics & Radio Frequency

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Profile

Master's student (M2) specializing in telecommunications and mobile networks (2G-5G), with strong skills in embedded systems and microelectronics. Actively seeking an end-of-studies internship (PFE) to apply my technical knowledge in an innovative professional environment.

Professional Experience

- Ad Hoc Network Security Internship** *July - Sept 2025*
Smart Automation Technologies, Tangier
 - Secure VANET Communication Through Decentralized Key Management and Lightweight Cryptography (ECDH, ChaCha20, HMAC)
- Printed Circuit Board Designer** *April 2024 - Present*
Fiverr, Freelance
 - Design of custom PCBs for electronic applications (projects, prototypes...)
- Developer and Manager** *May 2020 - Present*
Discord, Freelance
 - Development of Discord bots and server optimization for engagement and management
- Chess Trainer** *Dec 2023 - Aug 2025*
Innov'ed Center, Tetouan
 - Training children to improve strategic and tactical chess skills

Education

- Master of Excellence : Microelectronics and Radio Frequency** *2024 - Present*
Abdelmalek Essaadi University, Tetouan *In Progress*
- Bachelor of Excellence : Microelectronics and Radio Frequency** *2023 - 2024*
Abdelmalek Essaadi University, Tetouan *Grade: Very Good*
- DEUG : Physical Materials Sciences** *2021 - 2023*
Abdelmalek Essaadi University, Tetouan *Grade: Good*

Technical Skills

- Mobile Networks** Architecture, Protocols, Network Security, 2G, 3G, LTE, 5G
- Computer Networks** VLAN/LAN, OSI, DHCP, DNS, TCP/IP, UDP
- Programming** C, Python, VHDL, Assembly
- Software** ADS Keysight, Altium Designer, Atoll, OMNeT++, NS3, VS Code, VMWare
- Embedded Hardware** Arduino (Uno, Nano), ESP32, PIC16F877A, Raspberry (Pico, Pi)
- Microsoft Office** PowerPoint, Word, Excel (Basic)

Academic Projects

- OFDM for Modern Telecommunications Systems
- Handover Prediction in Mobile Networks Using Artificial Neural Networks (ANN)
- Optical Fiber Network Security : Principles, Technologies, and Applications

Certifications & Extracurricular Activities

- Certifications :** 5G (Qualcomm, Coursera), 4G-LTE/3G/2G (Udemy), Machine Learning (DeepLearning.AI, Coursera), Networking Basics (Cisco), PCB Design (Altium)
- Extracurricular Activities :**
 - President and Consultant : Microtech Club (2024-Present)
 - Ambassador and Consultant : FS Chess Club (2023-Present)
 - Ambassador : IEEE IMAS (May-Oct 2025)

Skills & Interests

- Languages :** Arabic (Native), French (Intermediate), English (Intermediate)
- Personal Skills :** Leadership, Project Management, Public Relations, Teamwork
- Interests :** Chess, Sports (Football, Basketball), Video Games, Travel, Reading