Wassim Trabelsi

Software Engineering Student

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GitHub LinkedIn portfolio

Education

Mediterranean Institute of Technology   Tunis, Tunisia
Software Engineering   Graduation Year: 2026

Baccalaureate in Mathematics   Tunis, Manouba
                                                                            Graduation Date: 2021

Professional Experience

MedicusAI   Tunis, Tunis
Cloud Security Intern   June 2025 – July 2025
- Designed and implemented a secure cloud development environment enabling encrypted remote developer access and improving overall infrastructure security.
- Configured and optimized firewall and DNS management systems, enhancing network protection and reducing unauthorized access risks.
- Managed Kubernetes networking configurations, ensuring stable connectivity and secure communication between cloud-based services.

AIESEC   Iasi, Romania
Volunteer Exchange Participant   July 2024 – august 2024
- Designed and developed a website for the school, improving its digital presence.
- Delivered programming lessons to children aged 5–17, tailoring content to various skill levels.
- Cultivated cross-cultural communication and leadership skills in a dynamic international environment.

MISFAT   Tunis, Manouba
Summer internship (Software Developer)   May 2023 – June 2023
- Independently developed, and maintained a desktop stock management application, managing the full software development life cycle.
- Collaborated with stakeholders to define requirements and translate them into functional specifications.
- Conducted comprehensive testing and debugging to ensure a seamless user experience, while actively contributing to agile workflows and meeting all project milestones.

South Mediterranean University   Tunis, Tunisia
Tutor   Oct. 2022 – Dec 2022
- Conducted one-on-one C++ tutoring to support student learning and comprehension.
- Provided guidance on study strategies, time management, and exam preparation.
- Fostered a positive and encouraging learning environment to enhance student confidence.

Serenity shop (e-commerce project)
Founder and manager   June 2022 – may 2025
- Worked with packaging prepared products to be shipped.
- Gained valuable communication and sales skills.
- Made over 300 sales of various products.

MISFAT   Tunis, Manouba
Summer internship (IT)   June. 2022 – July 2022
- Conduct regular maintenance checks on computers, including hardware diagnostics, software updates.
- Planned, installed, and configured local area networks to ensure seamless communication between computers.

Volunteering Experience

- AIESEC in Poland: Head of Operations (Outgoing Exchange)   2025 – Present
- AIESEC Carthage Local Community: Active member and Team Lead   2023 – 2025
- Enactus SMU: Active member   2023 – 2024
- Lions Club SMU Nation: Active member   2022 – 2024
- IEEE SMU: Active member   2022 – 2024
- Les Amis des Oiseaux   2021 – 2022

Certifications

- AWS Certified Cloud Practiner (CLF-C02)
- Google: Tools of the trade Linux and SQL (Coursera)
- UC SANTA CRUZ C for Everyone: Programming Fundamentals (Coursera)
- Google: Foundations of cybersecurity (Coursera)

Projects

HandBall Federation Management System (University project with the Tunisian Handball Federation)

Senior project (ranked 2nd among all senior projects) to modernize the federation's operations by replacing manual scheduling and paperwork with an automated web platform. Leveraged React.js, Tailwind CSS, Node.js, and MySQL to centralize data and streamline workflows.

- Centralized management of players, matches, and club data, reducing reliance on paper-based systems.
- Improved scheduling efficiency and record accuracy through custom-built tools.
- Enhanced real-time collaboration and communication between federation officials, clubs, and coaches through a user-friendly digital platform

BacLingo Mobile Development (university project)

BacLingo is a mobile application designed to help Tunisian students prepare for Baccalaureate exams by providing a comprehensive platform aligned with the national curriculum.

- Designed and developed the app using React Native and JavaScript.
- Implemented interactive lessons, quizzes, and progress tracking features, inspired by Duolingo.
- Tailored the content and structure to align with the Tunisian Baccalaureate curriculum.
- Ensured a user-friendly interface and smooth performance across Android and iOS devices.

Machine learning Vehicle identification (university project)

Developed a machine learning-based system for automatic vehicle identification using computer vision techniques, specifically focusing on image data. The project's objective was to improve traffic monitoring and management by accurately recognizing and classifying vehicles from static images.

- Implemented computer vision algorithms tailored for image-based vehicle identification.
- Fine-tuned and optimized model architectures for efficient performance on static picture datasets.
- Model Training and Evaluation

Tour defense game development (university project)

Tower defense game is designed to challenge players with strategic decision-making. The game featured 3 dynamic levels, providing an immersive and enjoyable gaming experience.

- Game Design and Planning.
- Utilized Unity, C# to implement core game functionality.
- Testing and Iteration

Skills

Hard Skills: C++, Java, JavaScript, React, SQL, Next.js, MongoDB, Python, React native, Node.js, HTML/CSS, Linux, Junit.
Tools: Git/GitHub, Docker, Ubuntu, VS code, AWS, Jira, Microsoft Office, Microsoft Azure.
Soft Skills: Teamwork, Fast Learning, Communication, Problem Solving, Adaptability, Time Management, Critical Thinking, Scrum.
Language: Arabic: Native Speaker/ English: Fluent / French: Advanced