Aymen Makhkhas

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🎓 Education

09/2024 – present
Münster, Germany

Master of Science, Geoinformatics and Spatial Data Science
University of Münster
• Relevant Topics: Geographic Information Systems (GIS), Spatial Databases, Data Analysis

2019 – 2023
Kharkiv, Ukraine

Bachelor of Science, Computer Science
kharkiv polytechnic institute
- GPA: 3.8/4.0
- Specialization: Web Development, Software Engineering, Data Structures, AI Systems

2016 – 2018
El jadida, Morocco

Industrial Automation and Instrumentation
ISTA Al Massira
- Relevant coursework: Micro-computing, Electronic Circuits, Programmable Logic Controllers

💼 Professional Experience

2023
Düsseldorf, Germany

Volunteer Programming Teacher
ReDI School of Digital Integration
- Developed and delivered comprehensive web development curriculum reaching 90% student satisfaction
- Mentored 15+ students in creating websites and web applications

2018
El jadida, Morocco

Cherifien Phosphates Office
Internship OCP Group
- Developed and implemented automation solutions for seawater filters at a power plant
- Conducted comprehensive testing and troubleshooting of programmable logic controllers
- Collaborated with senior engineers to optimize system performance and efficiency

🎨 Skills

Frontend Development (React.js, JavaScript (ES6+), TypeScript, HTML5, CSS3, SASS, Next.js, Bootstrap, Tailwind CSS)

Backend Development (Python, Node.js, PHP, RESTful APIs, Express.js)

Database & Cloud (MongoDB, SQL, Firebase, Cloud Computing)

Development Tools (Git, GitHub, VS Code, npm, Webpack, DevTools)

Testing & Deployment (Jest, React Testing Library, CI/CD, Vercel)

⌕ Certificates

CS50x : Introduction to computer science ⬈ (Harvard University, 2021)

Web Development Best Practices (freeCodeCamp)

🗀 Projects

Full-Stack Language Learning Platform ⬈
React, Firebase, SASS
• Designed and developed a user-friendly web application for Arabic language learners
• Implemented features for vocabulary building, grammar exercises, and interactive quizzes

Weather Forcast Application ⬈
React, Tailwind, Weather API
- Developed responsive weather dashboard using React.js and Weather API
- Implemented interactive features and intuitive UI design for enhanced user experience
- Integrated IT security best practices in application development

Museum Website ⬈
React, SASS, EmailJS
- Designed a responsive website for a museum, showcasing exhibits and providing a contact page
- Integrated EmailJS for seamless communication with visitors
- Utilized version control (Git) for efficient collaboration and project management

🌐 Languages

German: B2 • **English:** C1 • **Arabic:** C2 • **French:** C1 • **Russian:** B1