YOUSSEF BOUNOUACHA
Automation and Software Engineer

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ABOUT ME

Dynamic and motivated Automation and Software Engineer with a strong work ethic. Excellent problem-solving skills and ability to think critically and creatively.

EDUCATION

BACHELOR OF ENGINEERING DEGREE-EMSI RABAT 2019-2022:

Major: Automation and Software Engineer

DTS-SPECIALIZED INSTITUTE OF APPLIED TECHNOLOGY TANGIER 2017-2019:

Major: Specialized Technician in Electromechanical Automated Systems

BACCALAUREATE-HIGH SCHOOL PLATON TANGIER 2016-2017:

Major: Bachelor of Physics Science

HONORIS ONLINE ACADEMY CERTIFICATE:

Module: Social Skills, Communication, Collaboration

Module: Entrepreneurial Skills, Entrepreneurship

LANGUAGE SKILLS

Arabic
French
English

HOBBIES

GAMING, SPORTS
SURFING ON ANYTHING THAT MAY INTEREST ME MY AREA OF TRAINING

PROFESSIONAL EXPERIENCE

2022-2023

Full Stack Engineer (Freelance) at Amiza Twinz, Tangier
Development and deployment of a CMS for a construction company. Ensure the responsiveness of the application.

-Skills: Project Management, React.js, JavaScript, TypeScript, Yarn, Git, GitHub, VScode, Material UI, Mantine UI, Hosting, Domain, GoDaddy.

SOFTWARE ENGINEER
PULL4YOU SERVICES S.A.R.L, CASA
Development of computer skills

Project to develop a transportation service web site.

-Skills: React.js• Redux.js• JavaScript• TypeScript- ReactHooks• Git• Git-Hub• VScode •Postman •Trello.

2021-2022

AUTOMATION AND SOFTWARE ENGINEER
REGAL AUTOMOTIVE, KENITRA
5-month graduation project internship for obtaining a state engineering degree.
Project to improve the availability of assembly machines to increase production and reduce downtime.

-Skills: Team leadership • Lean management • Project management • Siemens PLC • Ladder - STEP7 MicroWIN • WinCC Professional • Siemens.

2020-2021

SOFTWARE ENGINEER
HIRISHMANN AUTOMOTIVE, KENITRA
2 month internship, Development of a SMART INTERVENTION mobile application for the maintenance department service.

-Skills: Flutter • Dart • Adobe XD • VScode • Android Studio • iOS.

2019-2020

AUTOMATION ENGINEER
1-month INTERNSHIP

Study and simulation of an AC/DC hybrid microgrid for residential buildings.

2017-2019

MAINTENANCE TECHNICIAN
YAZAKI, Tangier
7-month alternating study internship as a specialized technician.
Assist maintenance technicians for start-up of the factory, assembly, and repair of machines and robots, and ensure proper operation.

COMPLETED PROJECTS:

Fourth year IAll: Study and automation programming of a 4-story elevator
Third year IAll: Study and implementation of an obstacle avoidance robot.

COMPÉTENCES TECHNIQUES

• **Computer Science:** Web Development: Visual Studio Code; React.js; Redux.js; JavaScript; TypeScript; React Hooks; Git; Git-Hub; Trello
• **Automation:** Programmable Automates Programming: Step7 Simatic Manager Industrial Supervision; WinCC flexible; Grafcet; Ladder; Tia portal; Scada; STEP7 MicroWIN.

TECHNICAL SKILLS

• **Computer Science:** Programming in: JAVA; C++; Python; HTML; CSS.
• **Automation:** Programming of automation types: Siemens; Schneider; AllenBradley.
• **Industrial computing:** Microcontroller programming Programming using Arduino MEGA boards FPGA programming: VHDL
• **Office software:** Microsoft Office, Word, Excel, PowerPoint.
• **Production and maintenance:** Production management Maintenance management.
. **Soft Skills:** Industrial economics Business management Business law Marketing Analytical accounting Entrepreneurship Lean management Supply Chain management.
• **Electrical:** Electrical installation design: Electrical diagram software tools, instrumentation and measurements, safety sensors for industrial installations
• **Engineering Science:** Mechanics, industrial drawing and CAD, manufacturing processes, fluid mechanics, thermodynamics, machine file preparation, thermal machines.

SOFTWARE

Software		Software	
Git-Hub		WinCC flexible	
Visual Studio		MATLAB-SIMULINK	
Postman		WinCC flexible	
PVsyst		Step7 Simatic	
Unity Pro			