Oussama Horrigue

✉ horrigueouss@gmail.com   📞 +48 504 741 811

in linkedin.com/in/oussama-horrigue-69624b1b7   🔗 https://oussamahorrigue.github.io/Portfolio/

Summary

As a highly ambitious and dedicated individual with a strong educational background in mechatronics engineering, I have a proven track record of academic and professional success. I am currently pursuing a master's degree at the Bialystok University of Technology in Poland and have recently completed an Erasmus+ program at the Rheinland Pfalz Technical University in Germany, where I excelled academically and gained valuable cultural experiences. In the past, I have worked as a software engineer at Aexol, where I developed my skills in technologies such as NextJS, ReactJS, and TypeScript. I am fluent in Arabic, French, and English and have a basic understanding of German. In addition to my studies and work, I am actively involved in a number of student clubs and organizations, including Intclub Kaiserslautern, Erasmus Student Network Germany, and the Kaiserslautern Racing Team. I am confident that my skills and experiences make me a valuable asset to any team and I am eager to continue growing and learning in my future endeavors.

Experience

Software Engineer

Aexol

Mar 2022 - Aug 2022 (6 months)

Research And Development Specialist

Bialystok University of Technology

Nov 2021 - Feb 2022 (4 months)

Autonomous Systems Synthesis and Analysis Based on Unmanned Aeriel Vehicles :
• Simulation and testing control algorithms for autonomous systems.
• Vision-Based localization, environment recognition, and Machine learning techniques.
• Image Processing Integration.

Summer Internship

Intelligent System Engineering - INSEN

Jun 2020 - Aug 2020 (3 months)

Education

RPTU Kaiserslautern-Landau

Master's degree, Mechatronics, Robotics, and Automation Engineering

Sep 2022 - Jul 2023

Bialystok University of Technology

Master's degree, Mechatronics, Robotics, and Automation Engineering

Feb 2022 - Sep 2022

Bialystok University of Technology

Mar 2021 - Jul 2021

Sixth semester of Bsc as an exchange student passed with a First Class distinction.
• Artificial Intelligence
• Internet of Things
• Antennas and Propagation
• Modern Control of Mechatronics Systems
• Programmable Logic Controllers
• High Voltage Technique

ISIMM | High Institute of Informatics and Mathematics of Monastir

Bachelor's degree, Computer Sciences and Electronics

2018 - Feb 2021

This training allowed me to master the software development processes by relying on modeling, design, development, and IT project management techniques. These techniques allow the design of modern applications, requiring the integration of heterogeneous components (connection to a database, network communication, and graphical interface for example).

This diploma gave me an excellent education in my field. The main skills acquired are:
• Network systems administration and security
• electronics and components
• Database administration
• Web programming
• computer data transmission services
• radio and television broadcasting networks (terrestrial, satellite, cable network)
• computer equipment, servers, computer hardware, computers, and software
• Computer architecture
• Data transmission
• Advanced algorithm and data structure

Licenses & Certifications

CS50 - Harvard University

Skills

Tailwind CSS • Git • MATLAB • Python (Programming Language) • Flask • Databases • Web Applications • Robot Operating System (ROS) • Next.js • TypeScript