Souad Hassen-Bouzouita
MECHATRONICS ENGINEER

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Skills - Languages

- SQL
- Unity
- SCADA Systems
- FactoryTalk
- Emulate3D
- C#
- BHS knowledge
- MS Office Suite
- Photoshop
- Sony Vegas
- Work under pressure
- Multi-task
- Meet deadlines
- *Languages:* Fluent (Reading, writing, and speaking) in English, Arabic & French

Professional Experience

Manager of Software Engineering   01/2024 – Present
CLX Engineering – Sanford, Florida
- Build and maintain strong relationships with customers, ensuring their needs are met and expectations managed.
- Communicate project goals, timelines, and deliverables to cross-functional team members.
- Facilitate team meetings and lead brainstorming sessions to generate new ideas and solutions.
- Present weekly project updates and strategic recommendations to the leadership team.

Project Engineer
CLX Engineering – Sanford, Florida   04/2021 – 01/2024
- Building airports' Scada systems from scratch; Upper-level communication with PLC, graphics, field devices configuration
- Hands-on experience at different airports (BNA -Nashville, MSY -New Orleans, COS -Colorado Springs, CAE -Columbia)
- Hands-on experience with Automation products
- Computer experience with proficient knowledge of graphics on Unity
- Able to solve practical problems on job sites.

Quality Engineer   12/2019 - 12/2020
Remy Automotive Tunisia - Monastir, Tunisia
- Coordinated with Sales, Engineering and Production departments to identify problems, examined solution options, implemented action plans, and provided resources to resolve customer complaints and concerns
- Initiated engineering changes to impact improved product performance and lower cost
- Analyzed internal/external nonconformities and rework product trends using 8D reports
- Led corrective action efforts to establish prioritized reduction plans on rework
- Led the warranty project and assisted warranty analysis on Oracle E-Business Suite

Internships   02/2019 – 08/2019
Pprime Institute - Robioss Laboratory - Poitiers, France
- Improvement of the Dynamic compensation of a collaborative robot in context of medical applications
- The Dynamic compensation was done on the 7 DoF Franka Emika robot |Keywords: Matlab, Simulink, ROS

Publications

Salah S., Sandoval J., Ghiss M., Laribi M.A., Zeghloul S. (2020) *Online Payload Identification of a Franka Emika Robot for Medical Applications*. (eds) *Advances in Service and Industrial Robotics*. RAAD 2020. *Mechanisms and Machine Science*, vol 84. Springer

Education

Bachelor of Mechatronics Engineering | National School of Engineers of Sousse ENISo, Tunisia   2014 - 2019

Former Member of **Institute of Electrical and Electronics Engineers (IEEE)**   2016 - 2019