**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

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| **Bachelor of Mechatronics Engineering |** National School of Engineers of Sousse ENISo, Tunisia2014 - 2019 |  |
| Former Member of **Institute of Electrical and Electronics Engineers (IEEE)** 2016 - 2019 |  |