



Saleh Msaddi

Mechatronics Engineer

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[Saleh Msaddi](#)
[ITU Smart Grid Laboratory](#)

PROFILE

Dedicated Mechatronics Engineer with extensive knowledge of engineering principles, theories, and ethics. Aiming to have a growth-oriented and challenging career where I can utilize my knowledge and skills to the organization and enhance my experience through continuous learning and research.

EXPERIENCE

Scientific and Technological Research Council of Turkey, ITU Smart Grid Laboratory— *Research Scholar*

FEB, 2020 – OCT, 2020

Worked in the system control department in a research project entitled "**Wide Area Monitoring Protection and Control Design Based on Machine Learning and Advanced Signal Processing for Large Scale Electric Power Systems**"

EDUCATION

Istanbul Technical University, Turkey — *Master of Science in Mechatronics Engineering*

AUG, 2018 – PRESENT

Areas of interest include: Control Theory & Application, Model Predictive Control, Robotics, and Machine Learning.

Selçuk University, Turkey — *Bachelor of Science in Mechatronics Engineering*

AUG, 2014 – JUN, 2018

Ranked first in the department; GPA: 3.82. Applied robotics senior project.

INTERNSHIP

Intern at ERS Elektronik, Konya/Turkey

JUN, 2017 – AUG, 2017

- Theoretical and applied knowledge about PLC
- Advanced skills in CAD design
- Connecting with the clients for items and accessory sales

Intern at SACCAL Sigma S.A.R.L, Beirut/ Lebanon

JUN, 2016 – AUG, 2016

- Orientation about power systems and generators.
- Identifying and maintaining malfunctions in generators.
- Connecting with clients for troubleshooting inquiries and arranging checkup schedules.

TECHNICAL SKILLS

- Modeling, Design, and Analysis
- Research and Development
- SolidWorks – AutoCAD
- Python – Arduino – C
- MATLAB & Simulink
- Microsoft Office
- ANSYS

SOFT SKILLS

- Leadership and Teamwork
- Analytical Thinking
- Creative Mindset

EXTRA-CURRICULAR ACTIVITIES

May, 2020 – PRESENT

Youth Leadership Program, 6th Cohort
United Nations Development Program

SEP, 2018 – PRESENT

Organizing Committee Member
ITU International Students Club

FEB, 2017 – PRESENT

Co-founder and Vice President
Lebanese Students Committee in Turkey

JUN, 2007 – PRESENT

Boy Scout (Leader)

Lebanese Scout Federation

NOV, 2016– MAY, 2018

General Secretary
Arab Students Union in Konya

LANGUAGES

- Arabic - Native
- English - Fluent
- Turkish – Fluent

ACTIVE PROJECTS

Green Wrist – Incorporating robotics, AI, and control theory, Green Wrist is a smart robot being developed to help in the solid waste management process in Lebanon. *

Edu Lab – A startup that provides professional major counselling and career coaching to high school students who are willing to continue their education in university/college. *

Emergency Control for Large Scale Interconnected Power Grids – This project is funded by the *Scientific and Technological Research Council of Turkey*

** This project are presented in Youth Leadership Programme 2020 by UNDP*

PROJECTS ACCOMPLISHED

3 DOF Robotic Arm with Object Identification and Voice Speech Control – Design and Prototype

Camera Gimbal Using PID Control – Design and Prototype

Hinge Modelling Machine – SolidWorks Design

Bogie Cap Insertion Machine – PLC Project

Delta Robot – Design and Prototype

CERTIFICATES

High Distinction Certificate – Selçuk Üniversitesi

Valedictorian of the Department in 2018 – Selçuk Üniversitesi

Python 3 – Luke's Programming School

English Proficiency Exam (YDS) – ÖSYM

Turkish Proficiency Exam (TÖMER) – Necmettin Erbakan Üniversitesi

PUBLICATION

2 articles related to my thesis are yet to be submitted.

REFERENCES

References available upon request.

HOBBIES

- Volunteering & Charity
- Playing Saxophone
- Camping