BAHAA HASSIB HAMED

MECHATRONICS ENGINEER

EXECUTIVE SUMMARY

A team oriented mechatronics engineer with various skills in the mechanical, electronics, manufacturing fields, and basic mechatronics systems. I am seeking to use these skills to help solving problems and to gain more knowledge and experience in the different engineering fields.

CONTACT

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Rachaya, Beqaa, Lebanon

LANGUAGES

English	Full Professional Proficiency
French	Fluent
Arabic	Native

SKILLS

- Arduino IDE
- SolidWorks
- MATLAB
- PCB Design
- LabView
- Python
- C++
- MicroCap
- Proteus 8
- AutoCad
- CAD/CAM
- Leadership
- Team Worker
- Problem Solver

ORGANIZATIONS

- **American Society Of Mechanical Engineers**
  Committee Member (Treasurer)
- **First Aid Club at RHU (09/2017 – 05/2018)**
  volunteer
- **Together We Change (01/2017 – Present)**
  Volunteer

EDUCATION

Bachelor of Mechatronics Engineering

Rafik Hariri University / Mechref, Lebanon
09/2016 - 09/2020

WORK EXPERIENCE

Internship at Mechatronics Lab

RHU | 07/2020-09/2020
Worked on a robot arm project theoretically by doing the forward and inverse kinematics and practically by designing this robot arm on SolidWorks and performing some tasks using python .

Lab assistant

RHU | 02/2018 – 05/2018
Experiment supervisor, lab work management.

Professor assistant
RHU | 09/2017 – 12/2017
Professor assistant in office work, test grading, student counseling.

WORKSHOPS AND CERTIFICATES

- 3D-printing Workshop (03/2020)
- Solid works workshop (02/2020)
- Advanced Arduino Workshop (02/2019)
- PCB Design Workshop (10/2018)
- Python workshop (03/2018)

PERSONAL PROJECTS

- Tree harvesting machine using SolidWorks and MATLAB.
- Robot arm design using SolidWorks and Python.
- Smart parking system using PLC.
- Color detector machine using LABVIEW and SolidWorks.
- Page turner using mechanical techniques.
- Self-balancing robot using Arduino.
- Home automation system.
- Calculator using LabView.
- Conveyer belt system.
- Soduko solver using Python.
- 3D printer design using SolidWorks.

INTERESTS

- Hiking
- Football
- Volleyball
- Table Tennis
- Reading