Abdul Rahman Hassan EL Labban

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Objective

Looking for an entry level job for a Mechatronics engineer at your company, to improve my engineering skills and gain more experience, while using my engineering knowledge.

Education

2015-2019	**Rafik Hariri University (RHU)**	Mechref, Lebanon
	BE in Mechatronics Engineering	
2000-2014	**Collège Du Sacré-Cœur Gemmayzeh**	Beirut, Lebanon
	French Baccalaureate in sciences (specialty Mathematics)	

Related Courses

- **Control Systems Design**:
  - Focuses on the analysis and design of systems control
  - Measure control system performance, and transient and steady state response analyses.
  - Subjects include: analytical solutions analysis in time and S domain, root locus, Bode, Nyquist, Lead Lag controller design, and PID compensator design
  - Control system analysis and design using MATLAB and SIMULINK.
- **Measurements and Instrumentation**:
  - sensor types, statistical analysis of measured data, technologies, characteristics and calibration,
  - Design of a measurement system, noise and uncertainties measurement, data acquisition, amplification, data storage and display devices, signal conditioning and filtering, A/D and D/A conversion, compensation, and application.
- **Industrial and Manufacturing Control:**
  - Gives an overview of programmable logic controllers (PLCs) and explores different PLC hardware components.
  - Develop fundamental PLC Wiring Diagrams and Ladder Logic Programs with an emphasis on programming timers and counters.

- **HVAC:**
  - Air conditioning basics, occupant comfort and indoor air quality
  - heating and cooling load calculations

Work Experience

Summer 2019	**Working Experience at MEAS as a trainee**	Beirut, Lebanon
Summer 2019	**Working Experience at Saccal Sigma as a trainee**	Beirut, Lebanon
Summer 2018	**Working Experience at Rymco as a trainee**	Beirut, Lebanon

Skills

1. Able to deal professionally with programming languages(C, C++ languages)
2. Able to deal with technical programs such as MATLAB, LabView, SolidWorks, Fusion360, Recap Photo, AutoCAD, PLC
3. Able to simulate complex components using programming such as proteus, MicroCAP, multisim.
4. Able to work under pressure
5. Able to communicate professionally using letters, memos, e-mails
6. Knowledgeable in Microsoft Office: word, Excel, PowerPoint, Access
7. Able to work well individually and in teams
8. Able to Work with CNC machines

Related Course Projects

Fall 2016	Mechanisms & Dynamics of Machinery	Shooting Mechanism
Fall 2017	Embedded System Design	Obstacle avoidance Car
Fall 2017	Microcontrollers for Mechatronics	Obstacle avoidance Car using PID
Spring 2018	Industrial Manufacturing Control	Sorting Machine using PLC
Fall 2018	HVAC	Heating &Cooling Load calculations for a building
Fall 2018	CAD/CAM/CAE	Manufacturing of a phone case
Spring 2019	Digital Manufacturing	CNC machining and 3D printing of a design
Spring 2019	Mechatronics System Design	Scanning and Sorting Machine
Spring 2019	Experts Systems and Applied Intelligence	machine learning algorithm for grasping
Spring 2019	Robotics	Simulation of a Grasping Mechanism
Spring 2019	Summative Learning Project	Automated Robotic Ambulance

Languages

- Arabic   Advanced   Written and Spoken
- French   Advanced   Written and Spoken
- English   Advanced   Written and Spoken

Extracurricular Activities

2016- Present	**Member of the ASME**	Rafik Hariri University
2018-2019	**Chair of the ASME RHU student section**	Rafik Hariri University
2017-2018	**Vice-Chair of the ASME RHU student section**	Rafik Hariri University

Competitions:

Fall 2018	ROBOgames	Crawling Robot
Fall 2018	LIRA	Automated Robotic Ambulance
Spring 2019	HULT Prize on campus	youth unemployment
Spring 2019	HULT Prize Madrid	youth unemployment

Workshops:

2016	Automotive workshop	LAU
2016	Arduino Workshop	RHU
2016	MATLAB Workshop	RHU
2017	CNC Workshop	RHU
2018	Robotics Workshop	LAU