Nagi Frem Boustany

BE in Mechanical Engineering

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📍 Mount Lebanon, Lebanon

Education

B.E. in Mechanical Engineering
Lebanese American University - Byblos
2016-2020   GPA: 3.50 / 4.00
Honor List of the School of Engineering (2016-2020)
Placed on the dean's distinguished list
Website: lau.edu.lb

Baccalaureate in General Sciences
2015-2016   GPA: 16.36 / 20.00
Website: valperejacques.edu.lb

Professional Experience

Resident Assistant (2016-2020)   LAU Dorms- Byblos, Lebanon
Residence Hall Manager-Ms. Suzy Saba
Responsibilities include:
- Administrative duties.
- Maintenance of a harmonious living environment and promotion of respect for the physical environment.
- Responsibility as a role model in providing academic and personal support.

Engineering Intern (06/2019-08/2019)
Manager at Maserati SpA-G.A. Bazerji & Sons-Mr. Charbel Khattar   Dora, Lebanon
- Performed VCI diagnosis and ECU Programming.
- Cooperated with the maintenance department to complete mechanical/electrical tasks.

Club Memberships/Certifications
ASME LAU (2016)
Pioneers of Hope (2017-2018)
Entrepreneurship Club (2019-2020)
Google Ads Search Certification (2021)

Academic Projects

Lean Applications Project (2020)
- Conducted at UNIPAK S.A.L.
- Includes operational analysis for waste minimization and process optimization.

Dynamic Solar Array (2018)
- Modelled in MATLAB and Simulink.
- Tracks direction of light source using LDR's and electric motors.

Sign Language Translator (2018)
- Translates sign language to spoken language.
- Detects hand motion through several sensors including stretch resistors and accelerometers.
- Controlled through NI myRIO.

Ball and Beam (2018)
- Modelled in MATLAB and Simulink, and physically calibrated in LabVIEW.
- Uses an IR sensor to track the position of the ball and operate the motor accordingly to balance the ball on the beam at its equilibrium position.

Lathe Machine Model (2017)
- 3D Modeled fully functional Lathe machine on SolidWorks.
- Conducted stress, flow and motion analysis.

Mechanical Spider Robot (2017)
- Modeled in and dynamically analyzed in SolidWorks.
- Operates through motors, and common kinematics mechanisms including linkages and gear systems.

Skills

Programming Languages		Engineering Software		Software Proficiency		Spoken Languages	
MATLAB	●●●●●	SolidWorks	●●●●●	MS Office	●●●●●	English	●●●●●
Python	●●●●○	LabVIEW	●●●●○	Photoshop	●●●○○	Arabic	●●●●●
Java	●●●●○	Simulink	●●●●○	Blender	●●●○○	French	●●●●●
		ANSYS	●●●○○				
		AutoCAD	●●●●○				
		T0RA	●●●●○				
		Lingo	●●●●○				
		Primavera	●●●●○				