

Objective

Seeking a position in RF (Radio Frequency) and power engineering that offers products to serve green energy and sustainable power conservation methods. In addition, integrating the fields of social sciences in engineering solutions to promote solutions for global issues.

Education

BACHELOR OF ENGINEERING | DATE OF GRADUATION: 2019 | AMERICAN UNIVERSITY OF BEIRUT

-Major: Electrical and Computer Engineering (Focus Area: RF low power applications, Power Electronics, Electric Drives, Machines, Power Systems, Renewables)

-Minor: Mathematics

-Related coursework: Control Systems, Electric Machines, Applications of Electromagnetics, Signals and Systems, Power Electronics, Advanced Power Systems, Antennas, RF transceiver design, Electric Drives, Protection and Switch Gear Systems, RF Circuit Design

LEBANESE BACCALAUREATE IN GENERAL SCIENCES | 2015 | HASSAN KAMEL AL SABBAH

Skills

TECHNICAL

- Fusion splice
- Soldering
- Dealing with different fiber optic cables and connectors,
- Programming Languages (C++, MATLAB, Pspice, VHDL, VIVADO, MPLAB)
- Microsoft office (Word, Excel, Power point)
- Advanced System Design (ADS)
- System View (Keysight)

MANAGEMENT

- Managed several community service projects with AMIDEAST concerning women empowerment and public health awareness
- Conducted workshops for hometown kids to teach English and computer skills in addition to introductions about basic programming

COMMUNICATION

- YES (Youth Exchange and Study) program alumni (2013/2014); lived with a host family for a full academic year in Brattleboro, VT, USA
- Succeeded in fulfilling the goal of YES program which is communicating with overseas people and bridging cultures in between

LEADERSHIP

- South region local coordinator for the Lebanese YES alumni community (2016)
- Founding member of the south region LSAC (Lebanese Alumni State Community) chapter (2016)
- Attended the second annual conference of MODEL ESCWA titled (Technology for Sustainable Development 2017)
- Attended the Alumni Association Leadership Training (AALT) in Johannesburg, South Africa (2016)

SOFT SKILLS: Strong work ethic, communication skills, creative problem solving, time management, teamwork, leadership, public speaking, proficient in writing reports (English and Arabic)

Experience

INTERN AT GP STELLAR | RENEWABLE ENERGY COMPANY, BEIRUT | 2018

. Took part in three different projects about installing solar panels for different applications (domestic, water pumping(agricultural))

PART TIME EMPLOYEE AND SECRETARY ASSISTANT | ECE DEPARTMENT AT AUB | 2015-PRESENT

. Work description: Administrative and office work (Reports, phone calls, registration)

PROJECTS | AUB | 2015-PRESENT

- . Final Year Project: Building a Wireless Power Harvesting device to charge the battery of a cochlear implant (ADS, HFSS)
- . Low Noise Amplifier Design using ADS software
- . Fault simulation and power flow computations of medium size networks using MATLAB
- . Research in Antennas (BOW TIE) and simulation using MAGUS software
- . Digital system design: designed a binary digital counter (BCD) using VHDL programming language
- . Signals and Systems: Filtering and manipulating audio and image signals using MATLAB software
- . Application of electromagnetics: research on high power electromagnetic fields in medicine (MRIs)
- . Computer organization Lab: Designing finite state machines (FSM) using VIVADO and implementing on Nexus hardware; Building a maze solver using MPLAB (MIPS language) and testing on real PCB
- . Control Systems: Controlling a DC motor relative to speed and position and simulation using MATLAB

Awards

- . Deans Honors List for Spring 2019 at MSFEA (2019)
- . Dean's Award of Creative Achievement for the academic year 2018-2019
- . Deans Honors List for spring 2017 at MFEA (2017)
- . Certificate of participation in INJAZ annual innovation camp (2016)
- . Holder of Lebanese Baccalaureate with distinction (2015)
- . Certificate of completion of YES program (2014)
- . Certified as a Fiber Optic technician by the Fiber Optics Association (FOA, 2014)
- . First Choice Communications Award by Windham Regional Career Center (WRCC,2014)
- . Student of the month of May at WRCC (2014)
- . Certificate of Honor by the varsity soccer and track and field teams at Brattleboro Union High school (2014)

Hobbies

Hiking, soccer, table Tennis, writing poetry, reading, learning languages, traveling, snowboarding