

Youssef Al Jrab

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EDUCATION

Sept. 2015 – June 2019	American University of Beirut <ul style="list-style-type: none">Bachelor in Electrical and Computer Engineering (ECE)Track in Control and RoboticsMinor in MathematicsGPA: 3.86 - Dean's Honor List StudentExpected Date of Graduation: June 2019Main Engineering Courses: Data Structures and Algorithms, Electronic Circuits, Control Systems, Instrumentation, System Analysis and Design, Robotics, Machine LearningEngineering Courses To Be Taken (Spring 2019): Machine Learning, Robotics	Beirut, Lebanon
Sept. 2014 – June 2015	ICS High School Lebanese Baccalaureate in General Science	Beirut, Lebanon

EXPERIENCE

June 2018 – Aug. 2018	United Machinery Trading and Services – Port of Beirut Intern <ul style="list-style-type: none">Joined the emergency maintenance team and was responsible of monitoring Ship to Shore Cranes, Rubber Tyred Gantry Cranes, Reach Stackers, and Terminal Trucks.Solved technical problems faced in machines at Port of Beirut that included working with computers, electronic boards, sensors, PLCs, transformers, and generators.	Beirut, Lebanon
Sept. 2017 – June 2018	American University of Beirut Professor Assistant <ul style="list-style-type: none">Lectured problem-solving sessions for two EECE major courses: EECE 310 Electronics in Fall 2018-2019 and EECE 311 Electronic Circuits in Spring 2018-2019Corrected the short quizzes for the EECE major courses	Beirut, Lebanon

PROJECTS

July 2017	EECE 460: Control Systems <ul style="list-style-type: none">Designed PID controllers to control the speed and position of DC motorsDesigned controllers that satisfy the performance requirements and conducted analyses demonstrating the performance of the controllers using Matlab Simulations
July 2016	EECE 330: Data Structures and Algorithms <ul style="list-style-type: none">Created a C++ program to track vehicle accident reports in an insurance companyImplemented the code to organize the accounts of the users and the completion of accident reports per vehicle per user using data structures

TRAININGS & WORKSHOPS / ACTIVITIES

July 2018	SIEMENS Training Certificate <ul style="list-style-type: none">Training for Electricians – STS Cranes	Beirut, Lebanon
Sept. 2016 – present	American University of Beirut <ul style="list-style-type: none">Member of IEEEMember of AUB Robotics Club	Beirut, Lebanon
Sept. 2012 – Sept. 2013	Techno Future Lebanon <ul style="list-style-type: none">Completed robotics programming and design workshopsWon Second Place in Missions in FLL robotics competition - Lebanon 2012Placed Eighth in Missions in FLL robotics competition in the Arab Region - Egypt 2012Won First Place in Core Values in FLL robotics competition - Lebanon 2013Participated in the FLL robotics competition - Qatar 2013	

SKILLS

Computer Skills: C++, Python, LabVIEW, MATLAB, VHDL, Spice, Microsoft office, Prezi

Soft Skills : Hard worker, Inquisitive, Dedicated, Able to blend with others, Organized, Patient, Fast learner

Languages : Arabic (native), English (fluent)

REFERENCES

Professor Ayman Kayssi	Associate Dean of Faculty of Engineering and Architecture at American University of Beirut Email: ayman@aub.edu.lb Mobile Number: +961 3 965 258
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