

SAFA HALAWI

Beirut, Lebanon

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EDUCATION

2016-2018	AMERICAN UNIVERSITY OF BEIRUT (AUB), Faculty of Engineering Master's of Engineering in Wireless Communication Engineering, CGPA 4 <ul style="list-style-type: none">Coursework including: Wireless Communications, Wireless Cellular Technology, Antenna for Wireless Communication, & Advanced Topic in Project Management.	Beirut, Lebanon
2011-2016	BEIRUT ARAB UNIVERSITY (BAU), Faculty of Engineering Bachelor's of Engineering in Communication and Electronics Engineering	Beirut, Lebanon
Honors & Awards	<ul style="list-style-type: none">AUB Faculty of Engineering Graduate Scholarship for years 2017 and 2018.Ranked first in class in academic years 2013, 2014, 2015, and 2016, and ranked second in class in academic year 2012Received BAU's Top Ranking Scholarship in 2013, 2014, 2015, and 2016	

WORK EXPERIENCE

2017-Present	AMERICAN UNIVERSITY OF BEIRUT, Electrical Department Research Assistant , enhancing the Visible Light Communication (Li-Fi) technology	Beirut, Lebanon
2017-Present	AMERICAN UNIVERSITY OF BEIRUT, Electrical Department Graduate Assistant.	Beirut, Lebanon
July-Sept 2015	DAR AL-HANDASAH (SHAIR & PARTNERS), Electrical Department Intern <ul style="list-style-type: none">Developing Fire Alarm System, CCTV System, and Parking Management SystemWorkshops on Cable & Connectivity, Telecommunication and Equipment Rooms	Beirut, Lebanon
Jun-July 2015	BEIRUT-RAFIC HARIRI INTERNATIONAL AIRPORT, Maintenance Department Intern <ul style="list-style-type: none">Developing Instrument Landing Systems, and Voice Communication SystemWorking on projects including Radar Doppler VHL Omni Directional Range, Distance Measuring Equipment, and Aeronautical Fixed Telecomm NetworkElectronics Theoretical Training Course	Beirut, Lebanon
Oct-Nov 2015	ERICSSON NORTH MIDDLE EAST, Universities Wireless Course <ul style="list-style-type: none">Wireless Network Operations : UMTS and LTE	Beirut, Lebanon
2011- 2013	TUTORING Math and Science Tutor, Part time <ul style="list-style-type: none">Tutored high school level courses in Mathematics and Sciences	Beirut, Lebanon

COMPETITIONS & WORKSHOPS

2015	<ul style="list-style-type: none">Won third place award at the Ericsson Universities Wireless CompetitionParticipated in several engineering workshops including:<ul style="list-style-type: none">OGERO's Computer & Tele-Communication Networking WorkshopIEEE Annual Conference	Beirut, Lebanon
2014	<ul style="list-style-type: none">Participated in BAU's Engineering Project Day:<ul style="list-style-type: none">17th Engineering Project Day: Water Wave Energy Generator	

SKILLS

Languages	<ul style="list-style-type: none">Fluent in English and Arabic	
Programming & Software	<ul style="list-style-type: none">Advanced programming skills in MATLAB, LABVIEW, and AUTOCAD.<i>Programming languages:</i> HTML5, Java, and CTEMS CellPlanner Tool & Mentum Planet for Wireless Network Planning and Optimization ToolHigh Frequency Electromagnetic Field Simulation: HFSSAdvanced Design System: ADSMicrosoft Office: Word & Excel, Internet	

PUBLICATIONS

April 2018	<ul style="list-style-type: none">Conference paper submitted for reviewal in IEEE Global Communication Conference 2018: "Closed-Form BER Derivation for Circular Color Shift Keying in VLC Systems with Camera-Based Receiver"	
July 2018	<ul style="list-style-type: none">Journal paper submitted for reviewal in IEEE Transactions on Communications 2018: "Performance Analysis of Circular Color Shift Keying in VLC Systems with Camera-based Receivers".	