

Ebrahim Karam

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ebrahim.karam@gmail.com ekaram@andrew.cmu.edu
+1 215 459 2152 +961 (76) 458-409 ebrahimkaram.com

EDUCATION	Carnegie Mellon University, Entertainment Technology Center (ETC)	Pittsburgh, PA
	Master of Entertainment Technology	Expected May 2022
	American University of Beirut (AUB)	Beirut, Lebanon
	BE in Electrical and Computer Engineering	Sep 2013 – Sep 2017
	Minor In Mathematics and Bio-medical Engineering	
	<i>Courses Taken</i>	
	Audio Engineering	Biomedical Image & Signal processing
	Robotics	Control Systems
	Data Structures & Algorithms	Embedded Systems
		Digital Design
		Technical English
		Industrial Engineering
SKILLS	CAD: Auto-Cad, Google Sketch-up, EAGLE	
	Programs: MATLAB, MATHEMATICA, LABVIEW, Microsoft Office, Google Apps	
	Programming Languages: C++, C#, PYTHON, HTML5, CSS3, L ^A T _E X	
	Languages: English: Native Language, Arabic: Fluent (speaking, reading, writing), French: Intermediate (reading), basic (speaking, writing)	
WORK EXPERIENCE	AUB Aerosol Lab , American University of Beirut	Beirut, Lebanon
	Research Engineer	Oct 2017 – Present
	Developed and built instruments that measure users' puffing behavior	
	Built and developed an "Exposure Apparatus" to expose mice to water pipe smoke using C	
	Created a data retrieval program for our air pollution monitor using python	
	NAR: Next Automated Robot , Beirut Digital District	Beirut, Lebanon
	Software Engineer Intern on the <i>RavenAI</i> Project	Jun 2017 – Aug 2017
	Integrated GPS into the platform using C++	
	Worked on the aesthetics and design of the generated report using HTML5, CSS, and python	
	Created an interactive map using the Google Maps API and python	
	Complexity Lab , University of Barcelona	Barcelona, Spain
	Technical Support	Jun 2016 – Jul 2016
	Worked on the development of the "Xarxes de col.laboració a la UB" project.	
	Maintained the server on which the webApp ran on.	
	Improved python notebooks to make them more "playful"	
PERSONAL PROJECTS <i>Click-able</i>	Lebanon Protests:	Fall 2019
	Contributed to website that showed the location of all Lebanese protests in the country and abroad.	
	BeirutByByte:	Summer 2019
	A project in collaboration with SAWA that makes the teachers' job in overcrowded classrooms easier.	
	Lebanese Bus Routes	Winter 2018
	A project that was then incorporated into the Bus Map Project	
	Lebanon District D3 Map:	Summer 2018
	The map shows the different govern-orates, districts and villages in Lebanon along with their names in Arabic and Latin.	
ACADEMIC PORJECTS	Building Virtual Worlds	Fall 2020
	A course that's part of the immersion semester at ETC that focuses on rapid prototyping.	
AWARDS & SCHOLARSHIPS	1st Prize in the BDD Intern Competition for Sustainable Development (BDD Bus)	Aug 2017
	1st Prize in the Beirut StartUp Weekend by TechStars (AI Advisor Team)	Oct 2017
	1st Prize in OurMena Hackathon competition (Vany Team)	Mar 2017