

Ebrahim Karam

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ebrahim.karam@gmail.com +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 Instrumentation Digital Design Robotics Control Systems Technical English Data Structures & Algorithms Embedded Systems 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, \LaTeX 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 Modified electronic cigarettes for automation in experiments Helped modify in-house designed mouthpieces in the shops Made plexi laser cuts for calibration units
	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 Worked on the aesthetics and design of the generated report using HTML5 and CSS3 Created an interactive map using the Google Maps API.
	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.
AWARDS & SCHOLARSHIPS	Ranked 3512 in Google Hash Code 2019 (TheLastMinuteGuys) Feb 2019 Ranked 2103 in Google Hash Code 2018 (Johnny Cache) Mar 2018 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 Ranked 118 out of 2,477 Teams in the IEEEExtreme 9.0 Oct 2015