

# Ebrahim Karam

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<b>EDUCATION</b>	<b>Carnegie Mellon University, Entertainment Technology Center (ETC)</b> Pittsburgh, PA Master of Entertainment Technology Expected May 2022 <b>American University of Beirut (AUB)</b> Beirut, Lebanon BE in Electrical and Computer Engineering Sep 2013 – Sep 2017 Minor In Mathematics and Bio-medical Engineering
<b>SKILLS</b>	<b>CAD:</b> Auto-Cad, Google Sketch-up, EAGLE, SolidWorks, TinkerCAD <b>Programs:</b> MATLAB, MATHEMATICA, LABVIEW, Microsoft Office, Google Apps <b>Programming Languages:</b> C++, C#, PYTHON, HTML5, CSS3, L <sup>A</sup> T <sub>E</sub> X <b>Languages:</b> English: Native Language, Arabic: Fluent (speaking, reading, writing), French: Intermediate (reading), basic (speaking, writing)
<b>WORK EXPERIENCE</b>	<b>AUB Aerosol Lab</b> , 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  <b>NAR: Next Automated Robot</b> , 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
<b>PERSONAL PROJECTS</b> <i>Click-able</i>	<b>The A* Team</b> as part of <i>Project Ignite</i> : Spring 2022 Advised a group of 5 high school students on building an interactive portrait. <b>Lebanon Protests:</b> Fall 2019 Contributed to website that showed the location of all Lebanese protests in the country and abroad. <b>BeirutByByte:</b> Summer 2019 A project in collaboration with SAWA that makes the teachers' job in overcrowded classrooms easier. <b>Lebanon District D3 Map:</b> Summer 2018 The map shows the different govern-orates, districts and villages in Lebanon along with their names in Arabic and Latin.
<b>ACADEMIC PROJECTS</b> <i>Click-able</i>	<b>Team Colorize</b> Spring 2022 Was responsible for fabricating the activities and researching the proper materials needed <b>TechSpark Projects</b> Spring 2022 Made a variety of items that required the use of manual machining, Wood machine, laser cutter, 3D printer, and a jewellery studio . <b>Who Are You</b> as part of <i>Robotics for Creative Practice</i> Fall 2021 Was responsible for electronics and programming for a Zoetrope. <b>Team EyeDeal</b> Fall 2021 Was responsible for providing analytics to the researchers from the game. <b>Building Virtual Worlds</b> Fall 2020 Was the sound designer and producer for 5 games that were built in two week sprints or less.
<b>AWARDS &amp; SCHOLARSHIPS</b>	Best overall in makeathon Rethink the Rink (Purple Team) Mar 2022 Recipient of the Electronics Art Diversity and Inclusion Award Academic Year 2021-2022 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