Ebrahim Karam

 GitHub | StackOverFlow| Google Scholar | |
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EDUCATION		
	Carnegie Mellon University, Entertainment Technology Center (ETC)	Pittsburgh, PA
	Master of Entertainment Technology	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	

SKILLS

CAD: Auto-Cad, Google Sketch-up, EAGLE, SolidWorks, TinkerCAD, VCarve
Programs: MatLab, Mathematica, LabVIew, Microsoft Office, Unity, Reaper
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

National High School Game Academy, Carnegie Mellon University — Pittsburgh, PA, USA

Unity Developer Advanced Programming Topics Teaching Assistant — Jun 2021 – Aug 2021
- Helped create a curriculum to be taught to students
- Gave students tech Support in Unity and Perforce
- Delivered feedback on their work and personal game designs

AUB Aerosol Lab, American University of Beirut Beirut, Lebanon

Research Engineer — Jun 2021 – Aug 2021
- 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 *RavenAI* 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

PERSONAL PROJECTS
Click-able

The A* Team as part of *Project Ignite*: — Spring 2022
Advised a group of 5 high school students on building an interactive portrait.
BeirutByByte: — Summer 2019
A project in collaboration with SAWA that makes the teachers' job in overcrowded classrooms easier.
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 PROJECTS
Click-able

Team Colorize — Spring 2022
- Was responsible for fabricating the activities and researching the proper materials needed
TechSpark Projects — Spring 2022
- Made a variety of items that required the use of manual machining, Wood machine, laser cutter, 3D printer, and a jewellery studio .
Who Are You as part of *Robotics for Creative Practice* — Fall 2021
- Was responsible for electronics and programming for a Zoetrope.
Team EyeDeal — Fall 2021
- Was responsible for providing analytics to the researchers from the game.
Building Virtual Worlds — Fall 2020
- Was the sound designer and producer for 5 games that were built in two week sprints or less.

AWARDS & SCHOLARSHIPS

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