

Kareem Samman

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Education

Bachelor of Engineering, Mechanical Engineering

September 2014-August 2021

American University of Beirut, Lebanon

- Graduation Date: August 2021
- Relevant courses: Mechanical CAD/CAE/CAM (MECH 522), Robotics (MECH 641), Design of Thermal Systems (MECH 510), Manufacturing Processes (MECH 421), Mechanics of Materials (MECH 320), Engineering Ethics (INDE 410), Microeconomics (ECON 211), Energy Economics and Policy (ECON 333)

Relevant Skills

Technical Skills: C++, Python, Mathematica, MATLAB, Creo, SolidWorks, AutoCAD, LabVIEW, Ansys, LaTeX, Unity, Microsoft Office, Adobe Photoshop

Languages: Fluent in English, Native Arabic, and elementary French.

Academic Projects

American University of Beirut

September 2014-August 2021

- Optimization project to reduce costs of a solar water heating system.
- Case study on the Transportation sector and Transport Policy in Lebanon
- 3D Modelling of a toy car with a functional physics model in Creo.
- Worked on a 6R robot manipulator calibration project.
- Designed and built a fully functional miniature elevator.
- Designed a controller for a HVAC system to maintain a desired temperature.

Work Experience

Consultant Intern at Lia Insurance, Beirut, Lebanon

June 2019-July 2019

Orientation program through several departments.

Intern at MED GAIMS, Beirut, Lebanon

June 2021-August 2021

(GAmification for Memorable tourist experiences, ENI CMC Med)

- Developed HMI/UI for a VR application that assists restorers in the reconstruction of antiques at the AUB Archeological Museum which were damaged in August 4 blast.
- Worked with a team to develop the functional code for the app.
- Project overseen by Dr. Daniel Asmar (da20@aub.edu.lb).
- Project funded by the European Union.

Volunteer Experience

Red Cross Youth Department AUB

September 2015 - May 2017

Volunteered in various humanitarian projects, awarded certificate in 2016.

Live Love Syria NGO

September 2016 – Present

Representative for the NGO in Beirut and graphic designer for social media publications.

Extra-curricular Activities**AUB Office of International Programs**

January 2018-December 2018

As a mentor, responsible for 35+ international student mentees and their integration into the AUB community throughout the academic year by assisting them during their stay, organizing events, cultural activities, and non-academic advising. Awarded certificate in November 2018.

Syrian Cultural Club AUB

September 2015 - June 2017

Public Relations manager –2015

Vice President – 2016-2017

Planned and organized several events such as charity galas and cultural conferences in coordination with over 90 members and other student clubs.

AUB Outdoors

January 2018 - May 2018

Safety Team Logistics member

Participated in First Aid and Firefighting workshops in order to respond to any accident that might occur during the event and ensure the safety of over 20,000 attendees.

Live Love AUB

September 2016 - June 2017

Project Coordinator

Assisted in many voluntary projects including a breast cancer awareness campaign.