

ASSEM AL HELOU

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EDUCATION

American University of Beirut (AUB), Beirut, Lebanon

August 2016 - May 2021

- Bachelor's degree in computer science

PROJECTS

- **Baladiyeh:** Built an ERP software for all the municipalities in Lebanon to promote e-governance and connect citizens with their municipality. The ERP consists of a mobile app developed using flutter and website powered by JOOMLA.
- **AgriAPP:** Built a mobile application using flutter to assist farmers in learning the direction of use of pesticides and to sell their products to the local market and distributors
- **Gym Database:** A database for a gym with a website as UI to manage members, equipment and classes the gym offers. This was developed as a team and I helped organizing, and building the backend using PHP.
- **SmartFarm:** A solution made of a flutter mobile application linked to a firebase cloud and connected to sensors linked to a raspberry Pi. The sensors collect different kinds of data and controlled by the cloud through the raspberry pi to automate the irrigation in a farm and monitor the health of the crops while the app is used to display different information to the farmer.

American University (AU), Washington D.C, USA

January 2019 – May 2019

- Spring Semester Abroad

WORK EXPERIENCE

ZAKA

Machine Learning Intern

February 2021 - July 2021

- Labelled image data for a number of detection tasks.
- Evaluated and benchmarked models created using NVIDIA's TLT.
- Built pipeline of different AI models to complete different video analytics tasks.
- Deployed solutions on the client's side.

American University of Beirut

Management Intern

May 2019 – July 2020

- Assisted AUB Center for Civic Engagement and Community Services (CCECS) team in carrying on the Higher Education English Access Program (HEEAP) which aims to give students the English they need to complete their degrees, start new academic degree programs, and contribute to the reconstruction of Syria post-conflict.
- Collected applicants' resumes, assessed them, and filed them according to relevance to positions the team needed.
- Oversaw the implementation of the program in Bar Elias, Beqaa.

UNICEF Information and Technology Section (ICT) Intern November 2017 - March 2018

- Installed and configured computer software, hardware, networks, printers, and scanners.
- Upgraded Windows O.S (W8 & W10).
- Talked to computer users to determine the nature of the problem.
- Maintained records of all user accounts and software licenses.

Global Compact Network Lebanon (GCNL), Research Assistant Intern December 2017 – February 2018

- Assisted with the on-going UN Global Compact Activities, including competitions, conferences, liaising with companies.
- Compiled indicators and prepared the ground for the new SDG awards which were launched in 2018.

EXTRACURRICULAR ACTIVITIES

United Nations Peace Day

Sawfar, Lebanon

- Assisted in Organizing the United Nations Peace Day Event which took place in Sawfar on September 18, 2016.
- Distributed roles between the volunteers and supervised their job

Northstar Tutoring

Washington DC, USA

I tutored and mentored a student for a whole semester.

The Alternative Break Program

New Orleans, USA

- Examined inequities in education in New Orleans resulting from racism and environmental injustice.
- Volunteered with Local NGOs including Boys and Girls Club, Boys Hope Girls Hope, Kipp Central City Academy, Puentes New Orleans.

HONORS & AWARDS

- Tomorrow's Leaders Scholarship - US-Middle East Partnership Initiative (MEPI)
- Excellence in Civic Engagement & Volunteerism - US-Middle East Partnership Initiative (MEPI)
- Certificate of Contribution - Office of International Program at AUB
- Certificate in "Sustainable Development for Peace" - The United Nations Association of Lebanon
- Certificate of Recognition - Center for Civic Engagement and Community Service at AUB
- Certificate of Recognition - MMKN

SKILLS & Languages

Java • Python • Mobile Application Development • Back-End Web Development • Computer

Networking • Flutter • Front-end Development • Arabic (Native) • English (Fluent) • French (Rudimentary level) • Chinese (Rudimentary level)