

Hassan Samhat

Electrical and Computer Engineering at AUB

✉ his15@mail.aub.edu

📞 +961-71236770

📍 Beirut, Lebanon

🌐 [linkedin.com/in/hassansamhat](https://www.linkedin.com/in/hassansamhat)

EDUCATION

Bachelor Degree – Electrical & Computer Engineering

American University of Beirut

2014 – 2018

Lebanon

Lebanese Baccalaureate – General Sciences (High Distinction, Class Rank 1)

Mostafa High School

2011 – 2014

Lebanon

EXPERIENCE

Electrical Designer

Freelance

01/2018 – 2018

Lebanon

Achievements/Tasks

- Designed detailed electrical drawings for several residential and commercial buildings including Power, Mechanical power, Lighting, Low current, and Fire Alarm systems.
- Prepared the bill of quantities for the electrical material.

Technical Intern

AA Power Engineering

05/2017 – 09/2017

Australia

Delivers professional electric designs and power distribution services.

Achievements/Tasks

- Assessment of Power Maximum Demand Calculations for proposed new developments including Residential and Commercial loads in Sydney.
- Assisted senior Engineers in power distribution design and prepared notification plans using AutoCAD to indicate Proposed designs.
- Assisted in site supervision of ongoing electrical installations.

Electrical Designer Intern

Key Architectural Group

06/2016 – 05/2017

Lebanon

Delivers residential, commercial and administrative projects, in the scope of Architectural and Engineering Design, Consultation and Contracting.

Achievements/Tasks

- Assisted in designing several apartments and projects including corresponding calculations in addition to site supervision assistance allowing the review of exiting and ongoing electrical installations: Lighting, Power, Low Current (telephone, TV, FA, CCTV, etc...)

TECHNICAL SKILLS

AutoCAD

Matlab

C++

LabView

Homer

Quartus

PSpice

Microsoft Office

HFSS

TEAM MEMBER

Final Year Project (09/2017 – 2018)

- Assisted in accelerating Single-Shot Detection (SSD) for Pedestrian Detection on the intel Arria-10 FPGA.

AUB Project (09/2017 – 12/2017)

- Prepared a research paper about Statistical Validation of Machine Learning Systems and Modeling Autonomous Vehicles in Lane Change Scenarios

AUB Project (01/2017 – 05/2017)

- Design and Analysis of a hybrid renewable energy system for a village in South Lebanon (Tair Filsay).

AUB Project: eBuy (03/2016 – 05/2016)

- Developed a GUI Java application where the user creates an account on a server to purchase and sell products.

EXTRACURRICULAR ACTIVITIES

IEEE (2014 – 2018)

An active member attending several events and workshops.

AUB Union Club (2016 – 2018)

Treasurer and Co-founder of the Club

LANGUAGES

Arabic



English



RELEVANT COURSES

Electric Machines & Power Fundamentals

Engineering Electromagnetics

Electronics

Power Electronics

Computer Networks

Power Systems Protection & Switchgear

Renewable Energy Systems

Fund. Of Power Systems Analysis

Reliability & Statistical Design

Financial Accounting

Operations Management

Business Finance