

Aya Hariri
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EDUCATION

Bachelor in Electrical and Computer Engineering
American University of Beirut(AUB)
September 2015 - June 2019(Expected)
Major GPA: *3.6/4.0*
Overall GPA:*3.1/4.0*

PROJECTS ACCOMPLISHED

Design of a light controller using the TM4C123GH6PM Chip
Design a robot arm controller
Develop workloads and instrumentation routines which would characterize the performance of branch predictors built on machine learning models.(Internship)
Write a Perceptron to work as a branch predictor using Python. (Internship)
Design of a distortion stompbox using simulation tools like PSpice and ExpressPCB and implement it on a PCB.
Model the QNET 2.0 VTOL and design controllers for it.
Design and implement a smart shopping cart (Final Year Project).

WORK EXPERIENCE

Intern at University of Illinois at Urbana Champagne (UIUC) (June 2018 - August 2018)
Teacher Assistant of the Computer Architecture course (ECE 321 - Spring'18)

SKILLS

Programming Languages:

Good in: C/C++, MATLAB, VHDL, Verilog, Assembly, JavaScript,
HTML5, LaTeX, Python
Familiar with: Linux, Java, Scala

Tools:

LabVIEW, ModelSim, MPLAB, Microsoft office, PSpice, Xilinx, Visual
Studio, Keil, ExpressPCB, Proteus, Oracle VM VirtualBox, QtSpim,PIN, QEMU

Languages:

Fluent in English, French, and Arabic (native)
Basic in Italian, Turkish and American Sign Language

Soft Skills:

Leadership, communication, teamwork, organization, motivation, enthusiasm

INTEREST AND ACTIVITIES

Current Memberships
Member of the IEEE organization (2015-present)
Member of the Woman in Engineering (2015-present)
Previous Memberships
Robotics Club (2015-2016)
MMKN Club (a social club that volunteers in tutoring kids in needs after school) (2016-2017)
Volunteering work
AUB High School Fair 2017
Tutoring Children on Saturdays in Bayader School (2013-2014)
Jabah El Sabbah reinforcement tutoring (Spring 2018)

