

RYAN MASRI

Electrical & Computer Engineering (AI Track)

ryanmasri13@hotmail.com

Beirut, Lebanon

Mobile: +96171402367

SUMMARY

- Third-year Electrical and Computer Engineering student at the American University of Beirut (AI track) with a strong foundation in software development, reconfigurable computing, and artificial intelligence.
- Seeking a Summer 2026 engineering internship.

PROGRAMMING

- Python
- Java
- JavaScript
- C
- C++
- MATLAB
- R

HDLS

- Verilog
- VHDL

TOOLS

- MATLAB / Simulink
- LabVIEW
- Vivado / Vitis
- OrCAD PSpice
- Multisim / LTspice
- Microsoft Office

LANGUAGES

- English (Fluent)
- Arabic (Fluent)

INTERESTS

Artificial intelligence, drawing, fitness training, reading, and strategy games

Education

American University of Beirut (AUB)

Expected May 2027

B.E. Electrical & Computer Engineering (AI Track)

GPA: 3.72 - Dean's Honor Roll (Multiple Semesters)

Relevant Coursework: Data Structures & Algorithms; Object-Oriented Programming; Digital Systems Design; Computer Organization; Signals & Systems; Control Systems; Reconfigurable Computing; Quantum Computing; Data Science; Machine Learning

International School of Choueifat - Abu Dhabi

September 2008 - June 2022

High School Diploma

GPA: 97/100 — Honor Roll

Academic Projects

Control Systems (1-DOF Copter), AUB

Fall 2025

- Designed and tuned PID and lag-lead controllers to meet overshoot, settling time, and robustness specifications.
- Performed MATLAB-based modeling and simulation using root locus and frequency-domain analysis.

Reconfigurable Computing (AXI-Lite SPI & CORDIC IP), AUB

Fall 2025

- Co-designed AXI-Lite FPGA IP blocks in Verilog and integrated them with software using Vitis on a Zynq platform.
- Implemented SPI-based sensor interfacing and a CORDIC angle-computation hardware module using fixed-point arithmetic.

Machine Learning (Crowdfunding Recommender), AUB

Spring 2026

- Built a pre-launch success prediction pipeline in XGBoost using a large real-world scraped Kickstarter dataset, with leakage handling and realistic evaluation.
- Added recommendations (SHAP-based) and packaged a Streamlit demo that provides clear explainability and recommendations.

Experience

Grocery Shop Assistant - Cedar Souk, Abu Dhabi, UAE

July 2021

Managed inventory and shelf stocking while assisting customers with product selection and daily store operations in a retail environment.

Volunteering

Volunteer - Municipality of Mreijat, Bekaa, Lebanon

April 2025

Assisted with the distribution of food, blankets, and clothing to displaced families during the conflict in Lebanon.