

EDUCATION

Brown University, 2024-28

Providence, United States

Concentrating in Engineering Physics.

Courses Taken

Deep Learning for Scientists & Engineers, Engineering Statics and Dynamics, Applied Linear Algebra, Applied Ordinary Differential Equations, Computer Science: An Integrated Introduction, Multivariable Calculus (Physics/Engineering)

LEADERSHIP EXPERIENCE

WorkFrame Consulting Firm, 2022-24

Founded a consulting firm helping small businesses with financial, construction, and international affairs. Supported a farm startup in Kafer Ed Deek, Ramallah. The farm is currently working with 100 sheep output per month.

Linguistic, 2022-24

Developed gamified websites and apps to help students learn languages. Pitched in startup competition and partnered with two schools in Jordan.

Mushrooming Foundation, 2022-24

Founded this group to promote programming in Jordan. Hosted national hackathons with schools in Jordan and developed programming curricula.

PERSONAL PROJECTS

AI Development, 2017-24

Developed a self-driving car using Python and Arduino. Released an open-source AI modeling library in C, used by 50+ developers internationally.

Robotics, 2023-24

Manufactured a drone used for maintenance solar panel fields, currently being used by Kings Academy Jordan to maintain their field of solar panels.

WORK EXPERIENCE

Ramallah Municipality, 2024

Ramallah, Palestine

Worked as a systems engineer, fixing servers, automating check-in systems, and working on helpdesk support.

Global Tech, 2023

Ramallah, Palestine

Assisted in designing and constructing server projects. Shadowed engineers on debugging.

Batunia/Beit Fajjar Municipality, 2021

Ramallah, Palestine

Wrote proposals for funding and managed exchanges with French municipalities.

CLUBS

Entrepreneurship Club, 2022-23

Pitched the Linguistic app in a SharkTank competition to CEOs and ministers in Jordan.

Welding Club, 2023-24

Started the largest club in King's Academy history, teaching welding techniques.

SKILLS

Languages

Arabic (Native), English (Native), Korean (Intermediate), Italian (Intermediate).

Machine Learning/AI

Used python to train multiple types of neural networks including reinforcement learning. Developed AI from scratch in C and used machine learning for optimization problems like the foil and drag on a paper airplane system.

Computer Engineering Experience

Used Arduino and C++ for robotics projects. Competed in international robotics events.

AWARDS

Robotics Engineering Excellence (2022)

Highest Honors Award (2021-2023)

AP Scholar with Distinction

First Place at Samsung Innovation Coding and Icode Edu (2022)