

Roudi El Ghusayni

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EDUCATION

American University of Beirut (AUB) Bachelor's in Mechanical Engineering
Beirut, Lebanon

Sep 2015 – May 2020

Shouf National College (SNC) - French Baccalaureate
Al-Shouf, Lebanon

Sep 1999 – May 2015

EXPERIENCE

VGS – Game Developer; Beirut, Lebanon

June 2020 – Present

- Writing scripts in C#
- Creating stages and game objects
- Composing soundtracks using FL studio

Senior Project – Developer; Beirut, Lebanon

Sept 2019 – May 2020

- Researching state-of-the-art methods in computational fluid dynamics
- Implementing a sophisticated CFD algorithm to model the flow of dust and air pollution in Beirut.

Electro-mechanical Air Conditioning & Contracting Company (EMACO) – Intern; Khobar, KSA

June 2018- August 2018

- Designing HVAC (Heating/Ventilation/Air-Conditioning) system for an office space
- Estimating project costs

SKILLS

Languages: Arabic (fluent), English (fluent), and French (fluent), Spanish (basic)

Computer Skills: MATLAB, AutoCAD, Creo, SolidWorks, Arduino, MPLAB X IDE, G-Code, LabVIEW, Simulink, C/C#/C++, EES, Revit, Ansys, EAGLE, MS Essentials

Technical Skills:

- Programming
- Design of mechatronics systems
- Computer-aided design/manufacturing (CAD/CAM)
- Computational fluid dynamics (CFD)
- Technical writing
- Financial and economic analysis
- Machining (turning, drilling, milling)

Strengths:

- Adaptability
- Fast learner
- Communication
- Analytical thinking
- Time management
- Teamwork