

Hussein Amine

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ACHIEVEMENTS, SKILLS & INTERESTS

▪ Achievements:

- First Place – Programming Contest in Python for High School students sponsored by STC.
- First Place Innovation Project – National Robotics Championship (Kuwait) sponsored by The Arab Robotics Association.

▪ Skills: Software Development

- Tools/Backend Development in Python
- Hardware Development in C/C++
- Backend Development in Golang
- Mobile Frontend Development in Flutter
- Web Frontend Development in React/JavaScript + HTML + CSS

▪ Other Skills: Hardware & Robotics; Electronics; Soldering; 3D Design (Blender); CAD Design (Autodesk Fusion360); Game Development (Unity & Roblox); Bilingual (Arabic & English)

▪ Interests: Competitive Programming; Math; Physics; *Basketball*

TOP PROJECTS

Macrobot

May. 2024

RC Robot

National Robotics Championship (Kuwait)

- We designed a remotely-controlled robotic vehicle that could learn a series of commands and save them into “macros” that can later be executed to automate certain tasks.
- **Role:** led the hardware and software integration and designed the web-based control interface. I also created a robust and user-friendly robotic system with precise movement and remote control capabilities.
- **Awards:** We took first place for the (Innovation Project) competition at the National Robotics Championship (Kuwait) sponsored by The Arab Robotics Association.
- **Technologies:** Arduino; C++; HTTP; Websockets; Javascript; HTML; CSS
- **Hardware:** ESP32 DevBoard; L298N motor driver; 9V motors; motor encoders; HC-SR04 supersonic sensor

Thalassophobia

May. 2023 – Present

Adventure Game

Hero Studio

- A fun adventure-based game created in Roblox.
- **Role:** led game development and monetization. I have also contributed to 3D Design & Marketing.
- **Technologies:** Lua; Roblox Studio
- **Achievements:** attracted more than 500,000 accumulated players.

EDUCATION & CERTIFICATIONS

Al-Jameel Private School

Oct. 2022 – Present

High School

Maidan Hawally, Kuwait

- Overall Percentage - % (didn't graduate yet).
- School Basketball Teamleader
- Represented & won multiple national competitions in the tech/science field.