**Mansour Al-Subaie**

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**EDUCATION**

**University of Colorado Boulder – College of Arts and Sciences** August 2022 – February 2023

Bachelor of Science in Physics – Expected graduation (2026)

* ***Relevant Courses:*** Pre-Calculus, International Issues & Global Affairs, Microeconomics.

**American Baccalaureate School,** Kuwait City, Kuwait       Spring 2022

* ***Relevant Courses:*** AP Computer Science, Advanced Physics, Engineering, AP literature, French, Arabic.

**EXPERIENCE**

**Atlas-Student,** Kuwait City, Kuwait August 2020 - December 2021

*CEO/Founder*

* I created a business which allows parents and students to apply to Schools. I had worked to create a website with professional web developers and work with different companies to create system that would simplify the process of applying to schools from kindergarten to high school level. I had talk to several investors who are interested in its progress however this currently on hold as it is planning to be acquired/ or integrate into another company.

**Creative robotics Project,** Kuwait City, Kuwait November 14th 2020 - December 28th 2020

*Creator*

* I Built a robotic rover with an on-board camera and 4 infrared sensors, 8-directional movement capabilities and a raspberry pie. I connected it to my phone with an app and it could be given certain preset instructions and follow them on the app. Finally, was coded to be able to detect and track objects as well as follow them to a certain degree.

**Robotics project/Research,** Kuwait City, Kuwait June 2021- May2022

*Independent Researcher*

* Built drone swarm with object-tracking by buying and coding ‘Tello’ drones with my object tracking code and allowed them to move as a swarm without human interference. The independent research including a literature review discussing the use of drone swarms in planetary exploration. This was done with guidance from a Cornell professor if mechatronics who mentored me throughout the process.

**MATE ROV Competition,** Kuwait City, Kuwait/ Alexandrea, Egypt/ Los angles/ California Dec 2021-June 2022

*CEO/Founder*

* I help found and develop my schools and first robotics club creating an underwater rover to navigate a series of engineering and marketing/commercial challenges as a part of an international competitions. I created a robotics club in my school and with the help of our instructors got us involved in The MATE ROV competition an internationally recognized competition in which we where the first and only Kuwaiti team. The competition made your team into a company where I was the CEO and head electrical engineer, we worked for months gathering sponsors and funding to create our rover. We had gone to Egypt for the regionals and qualified being put in news headline and meeting foreign ambassadors as well as our own national minister of education receiving awards for our work. We then went on to the Internationals where we where awarded with the best new team award, most innovative design, and best teamwork. After which when I returned, I worked with my school and others to improve the opportunities for students to get involved in robotics and other similar pursuits.

**SKILLS**

* Programming: Java script, Python.
* Operating Systems: Mac, Windows
* Soldering,
* Arduino Microcontroller, Raspberry Pi Microcomputer
* Gyro senser, infrared sensors