



Taha El Tartoussi

Qualification Profile

A recent graduate engineer who at the age of 20 co-founded Junior Engineers-a STEM education start-up- while still being an undergraduate. I also led my team to win the 3rd place in World Robotics Olympiad nationwide. Then I founded the Lebanese Space Association. A go-getter individual eager to take part in engineering projects.

Get in touch!

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Address:

Tripoli, Lebanon

Age:

24 years old

Academic History

Lebanese American University, Lebanon

B.E in Mechanical Engineering -
Sept 2015- Jan 2020

Freres Deddeh School, Lebanon High School Diploma - June 2020

Languages

Arabic

native

English

Fluent

German

intermediate

French

intermediate

Turkish

intermediate

Work Experience

Trainee

Sun Glare, Lebanon | Nov 2021 – Dec 2021

- Monitored the implementation of the solar energy equipment
- Calculated the required Energy demand and supply

Technical Assessor of the damaged houses

Makhzoumi Foundation, Lebanon | Sept 2020 – Oct 202

- Held the responsibility of assessing and measuring the damages of the houses due to Beirut explosion
- Interviewed the victims to meet their demands

Workshop Participant

Chamber of Commerce, Industry & Agriculture, Lebanon | Jan - Mar 2020

- Worked closely with Dr. Oussama Ziyade, a Harvard Graduate as part of his project "Economy of Knowledge"
- Received a certified training to learn and use MAP, a software used by companies for organizing, planning and procuring of projects
- Prepare and present weekly updates of progress of the project

Mechanical Engineer Intern

380 Volts | June 2019 - July 2019

- Designed & prepared Shop Drawing drainage, water, firefighting and HVAC systems
- Monitored the implementation of mechanical systems and compared them to the original designs - Calculated required Heat Load, ducts & pipes sizes as well as bills of quantities in order to estimate projects costs

Founder

Lebanese Space Association | Nov 2018 - Oct 2019

- Successfully united the students interested in Astronomy into one club in the Lebanese university
- Organized, planned, and managed activities, astronomy events, star gazing trips, and presentations

Cofounder

Junior Engineers | May 2018-Feb 2020

- Co-founded Junior Engineers, a STEM Education Start-up that has the goal to make robotics, engineering and coding accessible to everybody
- Held the responsibility of Train Coordinator and Lead Instructor. I prepared the curriculum and made sure it was delivered properly
- Trained 20 teachers of AlRuwwad school to teach and deliver the robotics course
- Participated in expos to present company's services and built business relationships
- I learned how to build a company under a limited budget starting from scratch. I also developed leadership and presentation skills while teaching both young students and teachers. <http://junioeng.com/>

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Computer Skills

Professional level:

AUTOCAD – SolidWorks – MATLAB –
LabVIEW Homer – EES (Energy) – TORA
(optimization) – Ms. Office

Intermediate level:

Primavera – Design Builder – Arduino –
ANSYS – REFPROP – Java – Lingo –
Adobe Premiere Pro cc – Adobe
Photoshop – Adobe InDesign

Volunteering Experience

Organizer Volunteer

Young Leaders Development camp, Lebanon | Aug 2018 & Aug 2019

- Organized the camp that brought more than 90 students and many mentors and doctors from around the world including the astronaut Dr. Donald Thomas and Mr. Syed Mansoor Ali Shah, the best counsellor for GCC
- Dealt with the participating students and solved their issues

Speaker Volunteer

AIIESEC, Speaking Café Project, Turkey | June – Aug 2017

- Had been communicating with Turkish visitors in English language and sometimes presenting them our Lebanese culture to which I learnt to build relationship and developed public speaking skills during the 2 months internship period

Memberships and Achievements

Top 7/45 teams of solving MSD case in LAU case competition
April 2019

Judge for the World Robotics Olympiad, Lebanon
22 July 2018

3rd place in World Robotics Olympiad, Lebanon
21 July 2018

Model United Nations Delegate
October 2014 - May 2015

Best Basketball shooter for North-Lebanon schools
Spring 2015

Academic Projects

Regenerative breaking bike

Fall 2019

- Designed and built a bicycle that stores energy from braking by the use of flywheel and uses this energy later on to push the user forward. Through research and teamwork, I developed engineering solving skills

Study of installing renewable energy source in Nepal using Homer software

Fall 2019

- Studied the feasibility of installing many energy sources in Nepal such as wind, solar, hydro, and generators and concluded the best energy resource that meets the required electric load of Kathmandu city with a feasible cost

Assigning WBS and Activities for 4 floors building

Spring 2019

- Prepared Budgeted cost with planned value curve & managed resources for material, labour and equipment as well as duration & schedule (Gantt chart)

Camera Stabilizer: Control camera to follow an object

Fall 2018

- Designed on SolidWorks & manufactured a camera stabilizer. Besides, my team and I prepared a code on LabVIEW with interface of Arduino using PID Controller. Consequently, we achieved great camera control

Soup Maker

Spring 2018

- Prepared the Heating of soup cream and water, and designed and built mechanisms to dispense ingredients & mushrooms before mixing them by a mixer and delivering them to the plate

Design on SolidWorks software

Sept 2016 – May 2017

- Foldable Bicycle | Spider robot | V6 Engine Design

Hobbies

Designing mechanical parts

Editing movies

Chess

Camping