

Mohamad Fathi B. Santana

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Nationality: Lebanese

Education

2019-Present	American University of Beirut , Beirut-Lebanon Bachelor of Mechanical Engineering Academic GPA: 3.62/4.0 Expected Graduation: June 2023
2005-2019	International School of Choueifat , Beirut-Lebanon Lebanese Baccalaureate in General Science (2018/2019)

Projects

2018-2019	Robot Competition <ul style="list-style-type: none">Participated in LEGO Mindstorms Robotics Sumo Competition in Introduction to Engineering Course at AUB. The competition consisted of building a LEGO Robot and programming its movements and behavior.
2019-2020	Bridge Competition <ul style="list-style-type: none">Participated in a bridge building competition where we created a bridge out of wooden popsicle sticks that held about 40kgs.
2020-2021	Gym Machine Stress Analysis <ul style="list-style-type: none">Conducted a stress-analysis and safety review for a Lateral Pulldown gym machine.Came up with a new design that increases its safety twofold.

Jobs

2018-2019	Job – School Tutor <ul style="list-style-type: none">Tutored fellow students in school in Math, Physics, Chemistry and Biology.
2019-2020	Job – University Tutor <ul style="list-style-type: none">Tutored sophomores in university in several courses: Mechanical Engineering (Design of Mechanical Systems, Instrumentations), Math, and Physics. Job -Cashier <ul style="list-style-type: none">Worked as a cashier in a clothing shop for two summers.Took responsibility in opening and closing the shop all the time.Managed the finances and expenses of the store.
January 2022-Present	Job – “Red Room” 3D Printing <ul style="list-style-type: none">Familiarized with various 3D printers including FormLabs 2, Formlabs 3 (Resin-Based Stereolithography), Ultimaker 3 (Fused Deposition Modeling).Assisted students of Faculty of Engineering with projects including Final Year Projects and Masters/PhD Thesis Projects.Developed experience in working with mechanical tools and electronics in the context of design and prototyping.

Extracurricular Activities

2016-Present	Volunteer - WarmHeartsLb <ul style="list-style-type: none">Co-creator of WarmHeartsLb organization that helped in the distribution of food and clothes to the refugees to help during winter.Managed all fundings and handled all of its distribution.Arranged and planned meetings across Lebanon.Took charge of picking up donations as well as delivering them to the specific sites.
2015-2018	Volunteer - International School of Choueifat Student Life Organization <ul style="list-style-type: none">Conducted marketing and communications for fundraising event.Helped in furnishing several houses for less fortunate people.
2014-Present	Volunteer - Barbour Family <ul style="list-style-type: none">Collected and distributed food and supplies to less fortunate members of society during Ramadan.

Clubs and Societies

2018-Present	American Society of Mechanical Engineers Competition <ul style="list-style-type: none">Contributed to organizing different fundraisers, and participated in several workshops. Game Development Club <ul style="list-style-type: none">Involved myself in club activities and events including workshops and game nights.
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Languages and Skills

Languages: English (fluent written and spoken), Arabic (native), French (working level).

Computer skills: Microsoft (Excel, Word, PowerPoint), Python, MATLAB, C++, CREO, AutoCAD, Inventor, CURA, PreForm and NI LabView.