

# Jawad Dhaini

Mechanical Engineering  
Applied Mathematics  
Minor in Economics

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## Education

2016-2021	<b>Dual Degree; GPA: 3.57</b> <b>Bachelor of Engineering (BE) Major: Mechanical Engineering</b> <b>Bachelor of Science (BS) Major: Applied Mathematics</b> <b>Minor in Economics</b> American University of Beirut, Lebanon
2001-2016	<b>Lebanese Baccalaureate of General Sciences (GS)</b> Le Lycee National School, Choueifat, Lebanon

## Work Experience

Aug 2019	<b>Internship at BUTEC, Lebanon</b> HVAC, U-value calculations, Surface temperature calculations of cooling and heating pipes, Cooling and heating load calculations, HAP calculations, Plumbing fixture unit calculations, Water supply calculation notes, Sewage treatment process
2017-Present	<b>Class and One-on-One Tutor</b> Calculus and Analytical Geometry (One-on-One), Electricity and Magnetism (Class), Classical Physics (One-on-One), Thermodynamics (One-on-One), SAT-Math (One-on-One), High School Tutor (Math, Physics, Chemistry)

## Research Experience

Sep 2019-May 2020	<b>Computational Modelling of Turbulent Combustion</b> Solver for Reaction-Advection-Diffusion Equations in One, Two and Three Dimensions with Application to Low-Mach Number Combustion
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## Projects

Mar 2019-May 2019	<b>Rocket Project - Lebanese Automotive and Aerospace Engineering Society (LAAES)</b> Exterior Design Team, Optimizing Exterior Design for Minimum Drag
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## Achievements and Competitions

2016-2017	<b>Dean's Honor List</b> Twice
Apr 2015	<b>Magic Square Competition at LAU, Lebanon</b> 3 <sup>rd</sup> place among schools in Lebanon, Arts and Science Fair

## Skills

<b>Computer Skills</b>	AutoCAD, Excel, MATLAB, C++, Python, SQL, PowerPoint, LabView, Ansys, Solidworks, Creo Parametric
<b>Languages</b>	Arabic (Native)      English (Fluent)