

Ramzi Haddad

Beirut, Lebanon

E-mail:ramzi.haddad12@gmail.com

Phone Number: (+961) 71846229

Nationality: U.S and Lebanese

Birthdate: April 15th, 1998

WORK EXPERIENCE	<i>Cofounder</i> , HiveMate, Beirut, Lebanon An intelligent device monitoring bee hives <ul style="list-style-type: none">Secured 1st place and a \$20,000 investment from the AUB Accelerator Program <i>Research Intern</i> , Center for Collision Safety and Analysis, George Mason University, Virginia, USA <ul style="list-style-type: none">Found and analyzed comparison metrics for short duration frontal crashes based on sensory data from NHTSAHelped in modeling a Volkswagen Passat for crash simulations	May 2020 - Present June - August 2019
EDUCATION	<i>Bachelor of Engineering</i> , Mechanical Engineering September 2016 - May 2020 American University of Beirut, Beirut, Lebanon Graduated with distinction GPA: 3.6/4.0	
SKILLS	<i>Programming Languages & Software:</i> Familiar with: C++, Java, JavaScript, HTML, CSS, Python, MATLAB. <i>Software:</i> LabVIEW, AutoCAD, PTC Creo Parametric, SolidWorks, Altair HyperWorks, Geomagic Design X, TensorFlow <i>Operating Systems:</i> Linux, Windows <i>Languages:</i> English, Arabic, and working knowledge of French	
NOTABLE PROJECTS	<ul style="list-style-type: none">Spinning wheel design using PTC Creo Parametric 4.0Bluetooth controlled robot car using Arduino UnoA handfan-like opening and closing mechanism made primarily using Plexiglass and designed using SolidWorksInverted pendulum controlled via PID controller using LabVIEWQuanser 3DOF Hover quadcopter controlled via LQR and adaptive controllers using MATLAB & SimulinkMini race car manufacturing and assemblyOffensive tweet detection in Arabic using deep learningKnowledge graph construction for reasoning in neural networks	Spring 2017 Summer 2017 Spring 2018 Fall 2019 Fall 2020 Fall 2020 Spring 2020 Spring 2020
INTERESTS	Software development, control theory, machine learning, design, optimization, vehicle safety, data analytics, renewable energy, chess, soccer	