

## Jonathan Martini

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<b>Education</b>	<b>Bachelor of Science in Mechanical Engineering</b>	<b>May 2022</b>
	<b>Minor in Aerospace Engineering</b>	<b>May 2022</b>
	<b>Master of Business Administration</b>	<b>May 2023</b>
	The University of Alabama, Tuscaloosa AL	
	Honors College	
	Cumulative GPA: 3.65	
<b>Skills and Qualifications</b>	C, C++, Python3, Solidworks CAD, Windows, Linux, Microsoft Office, FreeCAD part scripting, Tensorflow 2.0, Pandas, Alpaca Trading API, Alpaca Backtrading API, MATLAB	
<b>Technical Experience</b>	<b>ARA: Avionics Telemetry System:</b>	
	<ul style="list-style-type: none"><li>Developed a radio interfacing and data serialization python3 library for the FreeWave Zumlink Z9 radios.</li></ul>	
	<b>ARA: Part Scripting Program for 3D CAD Models:</b>	
	<ul style="list-style-type: none"><li>Wrote software to take CEA data to auto generate rocket engine cad models for SolidWorks and automate the design process for the propulsion team.</li></ul>	
	<b>VEGA Analytics: Product Development Manager and Co-Owner</b>	
<b>Work Experience</b>	<ul style="list-style-type: none"><li>Implementing, back testing, and deploying market trading algorithms</li><li>Developed the Vega Analytics and Management website.</li></ul>	
	<b>Lowe's Outdoor and Garden Associate</b>	Erlanger, KY
	May—August 2019	
	<b>St. Henry District High School</b>	Erlanger, KY
	May—July 2017	
<b>Campus Involvement</b>	<ul style="list-style-type: none"><li>Installing new server for the school network</li><li>Writing automation scripts and installing software for the servers</li><li>Migrating student data to a new database for streamlined insurance claims</li></ul>	
	• Alabama Rocketry Association (ARA)	Fall 2019—Present
	• (ARA) Deimos IREC Team Project Manager	Spring 2020—Present
	• (ARA) Ares 2020 Avionics Team member	Fall 2020—Spring 2020
	• (ARA) Ares 2020 Powerhead Team member	Spring 2020
	• Alpha Delta Phi Brotherhood Chair	Spring 2020—Present
	• Golden Key Honour Society	Fall 2019—Present
	• Alabama Machine Learning Club	Fall 2018—Present
	• ASME Member	Fall 2018—Present
	• AIAA Member	Fall 2018—Present
	• Alabama Club Crew Team	Fall 2018—Spring 2019