

Jonathan Martini Resume

jmartini@crimson.ua.edu		(859)-801-1055	Linkedin.com/jsmartini	Github.com/jsmartini
Education	Bachelor of Science in Mechanical Engineering Minor in Aerospace Engineering Master of Business Administration The University of Alabama, Tuscaloosa AL Honors College Cumulative GPA: 3.7			May 2022 May 2022 May 2023
Skills and Experience	Python3, C/C++, Matlab, Excel, Solidworks CAD, Windows, Linux/BSD, Microsoft Office Utilities			
Familiar Technologies	Pytorch, Tensorflow, Numpy, Scipy, Scikit-learn, Pandas, Julia, Git, basic machine learning methods			
Technical and Other Experience	ARA: ARES Avionics Telemetry System: <ul style="list-style-type: none">Developed a library to transmit, receive, debug and serialize data for the FreeWave Zumlink Z9-C Radio Transmitter. (Python3, Pyserial)https://github.com/jsmartini/ZumlinkZ9C ARA: ARES Avionics Hardware Assembly: <ul style="list-style-type: none">Helped design, debug, and assembly relevant flight hardware prior to the team test flight. (BeagleBone Black, I2C) ARA: ARES Part Scripting Program for 3D CAD Models: <ul style="list-style-type: none">Wrote software to take CEA data to auto-generate rocket nozzle CAD models (.STEP) for Solidworks. (Python3, FreeCAD)https://github.com/jsmartini/AutoRocketEngine-Output StemPath to MBA: Nasa Innovation Group Project: <ul style="list-style-type: none">Developed a business plan for a Nasa telemetry patent and was selected as 1 of 24 best teams in the honors program to present to Nasa engineers and administrators. Personal Project: Web Scraper and Stock Trading Algorithm: <ul style="list-style-type: none">Scrapes data from various online investment sites and forums and places market orders based on predetermined criteria for asset performance. (praw, alpaca_trade_api, pandas, bs4, selenium, python3)The algorithm made ~\$45 paper trading over the course of an hour.			
Work Experience	Lowe's Outdoor and Garden Associate Erlanger, KY May-August 2019 Montgomery Inn Restaurant Fort Mitchell, KY June-August 2018 St. Henry District High School Erlanger, KY May-July 2017 <ul style="list-style-type: none">Installing new servers for the school network.Wrote automation scripts and installed software for servers.Migrated student data to a new database for streamlined insurance claims.			
Campus Involvement	<ul style="list-style-type: none">Alabama Rocketry Association (ARA)(ARA) Deimos IREC Team Project Manager(ARA) ARES 2020 Avionics Team Member(ARA) ARES 2020 Powerhead Team MemberAlpha Delta Phi Brotherhood ChairGolden Key Honour SocietyAlabama Machine Learning ClubASME MemberAIAA MemberAlabama Club Crew Team			Fall 2019-Present Spring 2020-Present Fall 2019-Spring 2020 Spring 2020 Spring 2020-Present Fall 2019-Present Fall 2018-Present Fall 2018-Present Fall 2018-Present Fall 2018-Present Fall 2018-Spring 2019