## Maxwell Frampton (801) 903-3045 | max@maxframpton.com | www.linkedin.com/in/maxwelldframpton

EDUCATION:		
The Ur	niversity of Alabama	
	oosa, Alabama	
Bachelor of Science in Aerospace Engineering		May 2023
Undergraduate GPA: 3.5/4.0		Honors: Cum Laude
SKILLS	5:	
Foreign Languages: Fluent in speaking, reading, and writing in Spanish  Technical Skills: Adobe InDesign, Illustrator, DreamWeaver, Microsoft Excel, SolidWorks, Fusion 360, Additive Manufacturing, Wolfram Mathematica, Patran, Nastran  Programming Languages: C++, Python, SQL, MATLAB, Wolfram Language, HTML, CSS  Scripting Languages: Bash, Zsh  Version Control: Git		
WORK	EXPERIENCE:	
Aerospo	ace Engineer, <b>United States Air Force,</b> Hill AFB, Utah	Aug 2023- Present
	Designed and developed quadcopter and other drones in a non-classified envi- Write software drivers in Python and C++ to integrate a 360-degree LiDAR software a Simultaneous Localization and Mapping (SLAM) algorithm to process learning (ML)	anner with a flight controller
PROJE	CT WORK:	
Tuscalo	□ Prepared and adhered to a budget for all expenses related to the execution of the project □ Created and maintained a Master Equipment List (MEL) containing information for each component of the system, including part number, safety information, and itemized budget statement □ Prepared and submitted purchase order request forms, working closely with University employees □ Communicated with individuals in various University departments professionally and courteously aid-fueled Rocket Development Team, Alabama Rocketry Association, and 2021 – May 2022 caloosa, Alabama	
	Designed and manufactured components of a liquid-fueled rocket engine and motor housing, including making technical drawings, with SolidWorks	
UNDERGRADUATE RESEARCH EXPERIENCE:  Research Assistant, Computational Imaging and Smart Structures Lab,  Oct 2021 - Dec 2022		
	oosa, Alabama	OCT 2021 - DCC 2022
	Devised and implemented cutting-edge ultrasonic imaging methods for structures, with applications in nondestructive testing Wrote and executed MATLAB scripts to analyze, verify, interpret, and visualize experimental data Contributed to a data-processing pipeline which allowed graduate researchers to perform data analysis more efficiently	
VOLUNTEER EXPERIENCE:		
Volunte	eer General Secretary, El Salvador West/Belize Mission, El Salvador	Nov 2018 - Jun 2019
	Managed inventory and distributed supplies throughout El Salvador and Beliz Created a weekly newsletter with Adobe InDesign to disseminate information Oversaw training of 10-25 volunteers in various positions of leadership, deve teamwork, and communication skills	throughout organization