

Maxwell Frampton

(801) 903-3045 | max@maxframpton.com | <https://www.linkedin.com/in/maxwelldframpton>

EDUCATION:

The University of Alabama

Tuscaloosa, Alabama

Master of Business Administration

May 2024

Bachelor of Science in Aerospace Engineering

May 2023

Undergraduate GPA: 3.5/4.0

Minor: Spanish

Honors: Honors College, Dean's List

SKILLS:

Foreign Languages: Fluent in speaking, reading, and writing in Spanish

Technical Skills: Adobe InDesign, Microsoft Excel, SolidWorks, Fusion 360, MATLAB, Wolfram Mathematica

Programming: C++, Python, MATLAB, Wolfram Language, HTML, CSS

UNDERGRADUATE RESEARCH EXPERIENCE:

Research Assistant, Computational Imaging and Smart Structures Lab,

Oct 2021 – Present

Tuscaloosa, Alabama

- Devise and implement cutting-edge ultrasonic imaging methods for structures, with applications in nondestructive testing
- Employ the Verasonics Vantage research ultrasound system to measure propagation of ultrasonic waves through experimental specimens
- Create and execute MATLAB scripts to analyze, interpret, and visualize data
- Develop and model experimental specimens deploying SolidWorks

RELEVANT PROJECT WORK

Liquid-fueled Rocket Development Team, Alabama Rocketry Association,

Aug 2021 – Present

Tuscaloosa, Alabama

- Form a manufacturing sub-team with two other students, focusing on a stainless-steel engine case and a 3D printed motor housing for stepper motors
- Design and manufacture components of a liquid-fueled rocket engine and motor housing, including making technical drawings, with SolidWorks
- Fabricate parts from technical drawings with lathe, CNC, mill, and 3D printer

WORK AND VOLUNTEER EXPERIENCE:

Cultivation Agent, Forgotten Holdings, Garland, Utah

Jun 2021 – Aug 2021

- Installed wiring for agricultural equipment, security, and ventilation systems in 2 greenhouses and a warehouse
- Planted, harvested, cured, and packaged hundreds of pounds of medical cannabis for processing weekly
- Designed and engineered equipment using Fusion360 to double usable space to dry and cure harvested material

Construction Intern, Forgotten Holdings, Garland, Utah

Jun 2020 – Aug 2020

- Erected an 18,000 square foot steel warehouse quickly and economically
- Operated electric and engine-powered scissor lifts and operated power tools with a small crew to construct framing of warehouse in under 1 month
- Used communication skills to cooperate with other crew members and used problem-solving skills to resolve issues in a safe and timely manner

Volunteer General Secretary, El Salvador West/Belize Mission, El Salvador

Nov 2018 – Jun 2019

- Managed inventory and distributed supplies throughout El Salvador and Belize
- Created a weekly newsletter with Adobe InDesign to disseminate information throughout organization
- Oversaw training of 10-25 volunteers in various positions of leadership, developed and exercised leadership, teamwork, and communication skills