

PRESTON R. BOHM

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EDUCATION

Georgia Institute of Technology
M.S Mechanical Engineering

Starting: January 2021

Georgia Institute of Technology
B.S Mechanical Engineering

Graduation: December 2020
Highest Honors

INDUSTRY EXPERIENCE

Lockheed Martin Space, Research and Development Intern
Advanced Technology Center

2021

Denver, Colorado

Lockheed Martin Aeronautics, Mechanical Engineering Intern
F-35 Joint Strike Fighter Program

2020

Marietta, Georgia

- Optimized F-35 production flow utilizing supervised learning techniques
- Investigated and insured continuous proper part deployment for >1000 critical mate locations

Dish Network, Robotics Intern
Cosmetic Defect Correction System

2019

Spartanburg, South Carolina

- Designed and developed an automated system utilizing a 6 axis robot to correct cosmetic defects of consumer electronics with a 96% success rate
- Experimented and ran FMEA on different solutions
- Presented concept to Vice President and Head of Technical Operations, system implemented

Aerospace System Design Lab, Intern
Additive Manufacturing Techniques for UAVs

2016

Atlanta, Georgia

- Researched additive manufacturing techniques for custom components in UAVs and contrasted them to traditional methods
- Presented and delivered technical research paper detailing the project

PROJECT EXPERIENCE

Optical Fire Detection and Location System Methods
CreateX

2020

Atlanta, Georgia

- Developed a product to find and identify possible fire locations/thermal hot spots in industrial settings
- Product alerts customers of potential fire locations and provides them with a highlighted image of the problem area
- Winner of Inveture Prize Golden Ticket; Semi Finalist for Inventure Prize

TECHNICAL STRENGTHS/ SOFTWARE

MATLAB: Modeling and Simulation with Simulink, Python: SciPy/ Sci Kit Learn, Labview: Data Acquisition/Block Programming, SolidWorks: 3D Design / Rendering, PTC Creo: 3D Design , AutoCAD: 2D Layouts / 3D Design, EES: Model Thermo-Fluid Systems/ Combustion Reactions, GRANTA: Material Selection Design Software, SQL, LaTeX

LEADERSHIP EXPERIENCE

Boy Scout's Of America

2011-2016

- Awarded the rank of Eagle Scout while Senior Patrol Leader