

Julian Tabascio

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<https://tabashdesignworks.github.io/portfolio/>

EDUCATION

University of Central Florida

Bachelor of Science: Mechanical Engineering

Graduated August 2024

Orlando, FL

- GPA **3.4**/4.0
- American Society of Mechanical Engineers, Society of Automotive Engineers
- UCF Dean's and Presidents List Honoree multiple semesters
- **Relevant Coursework:** Thermodynamics, Principles of EE, Heat Transfer, Solid Mechanics, Structures & Prop of Materials, Machine Design II, Fluid Mechanics II, Modeling Methods, Vibrations & Controls, Digital Manufacturing, Senior Design I & II

WORK EXPERIENCE

LCI Aero

Aerospace Engineer

November 2024 – Present

Tamarac, Florida

- Prepare comprehensive boroscope inspection reports and perform engineering analysis on the condition of commercial jet engines.
- Utilize advanced 4D scanning technology to accurately assess component damage and ensure compliance with service manual standards.
- Provide technical guidance and data to technicians on engine parameters, ensuring accurate assessments of component serviceability.
- Analyze and interpret technical manuals for inspection and repair processes, primarily focusing on CFMI (CFM56-5B/7B, LEAP 1A/1B) and IAE (V2500) engines.
- Conduct precise technical measurements of individual components to evaluate the serviceability of Quick Engine Change (QEC) systems.
- Possess in-depth knowledge of key components within high-bypass turbofan jet engines, with a focus on operational performance and integrity.

Propulsion Technologies International (GE Aerospace/Safran Group)

Engineering Intern

June 2024 – November 2024

Miramar, Florida

- Design and develop specialized tools and fixtures, to assist in the disassembly, inspection, and reassembly of jet engine components.
- Collaborate closely with quality control and production teams to ensure that the repair process adheres to stringent aerospace standards and meets customer expectations.
- Conducted and oversaw First Article Inspections (FAI) to verify that parts conform to engineering specifications and quality standards.
- Created and updated operation sketches (OP sketches), providing step-by-step instructions for disassembly, machining, inspection, and reassembly procedures.
- Trained technicians and operators on new processes, tools, and equipment, providing technical support as needed.

Vulcan Materials Company

Operations Intern

May 2022 – August 2022

Doral, Florida

- Utilize data-driven strategies to optimize operational processes.
- Manage supply chain operations, including demand forecasting and vendor relations.
- Enhance Standard Operating Procedures to improve workflows and safety.
- Develop and execute strategies for efficient resource allocation.
- Coordinate with departments to ensure project alignment.
- Conduct root cause analyses to address operational issues.
- Lead or participate in continuous improvement projects.

SKILLS & INTERESTS

Certified SolidWorks CSWA

Certified Autodesk Inventor

Certified Microsoft Office (Word, PowerPoint, Excel)

CAD Design (SolidWorks, Autodesk Inventor, AutoCAD, Fusion 360)

Proficient in Adobe Photoshop

Fabrication (Soldering, Automotive)

Electronic Prototyping (Arduino)

Product Development