

# Julian Tabascio

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

## EDUCATION

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### 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

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### Propulsion Technologies International (GE Aerospace/Safran Group)

**June 2024 – Present**

*Engineering Intern*

*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

**May 2022 – August 2022**

*Operations Intern*

*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.

### All Phase Services

**June 2021 – January 2022**

*Office Clerk*

*Delray Beach, Florida*

- Strategically handle, categorize, and secure a complex range of company data.
- Optimize credit card statements, receipts, and resource usage for financial efficiency.
- Manage intricate logistics for document storage and archiving in off-site warehouses.
- Ensure strict adherence to complex regulatory standards, industry practices, and company policies.
- Adapt to and resolve complex issues with analytical thinking and efficient problem-solving.

## SKILLS & INTERESTS

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**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

### Involvement:

-Member of the American Society of Mechanical Engineers (ASME)

- Regularly attend meetings, workshops, and conferences focused on advancing the field of mechanical engineering. I actively participate in engineering competitions and collaborate with fellow members to develop innovative solutions to real-world engineering challenges.

-Member of the Society of Automotive Engineers (SAE)

- I engage in hands-on projects related to automotive engineering, including vehicle design, fabrication, and performance optimization. I actively contribute to team discussions, participate in workshops, and take part in local automotive events to expand my knowledge and skills in the field.