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PROFESSIONAL SUMMARY

2-3 sentences with professional highlights that will help me succeed in role and help company

- Most important skills,
- Review job description
- Total years and experience relevant to the role,

PROFESSIONAL EXPERIENCE

Proctor & Gamble

Cincinnati, Georgia

Associate Scientist – Feminine Care Nonwovens Global Material Developer

February 2021 – Present

- Serve as the spunbond and cotton topsheet technology owner and support the product team through developing innovative nonwoven materials in order to improve competitive market advantage of premium feminine pads
- Manage the research, development, and implementation of 4 new nonwoven material projects with suppliers, production sites, and product teams to provide \$2 million in net savings per year and mitigate supply chain risks caused by COVID 19
- Maintain material specifications, supplier lab records, and research reports for 8 materials between 4 global suppliers
- Conduct mechanical, sensory, and fluid handling research to relate material performance to human product interaction and employ strong presentation skills to share findings to product stakeholders
- Support positive department culture through organization of onsite and offsite events

Gulfstream Aerospace

Savannah, Georgia

G700 & New Programs Operations Engineer II

July 2018 – December 2020

- Served as the process owner for the aft section of two new startup aircraft programs to optimize aircraft production, improve DFM, and provide the highest quality product for Gulfstream customers
- Supported aircraft production operations, developed new manufacturing plans, maintained PLM documentation, and implemented innovative manufacturing strategies to improve the fabrication of new aircraft programs
- Lead design reviews with cross functional teams to analyze and enhance the design and manufacturability of over 200 engineering models
- Identified discrepancies in the aft longitudinal splice design and collaborated with a cross functional team to redesign the structures resulting in an annual cost savings of \$126,000 per aircraft program per year
- Lead a team of engineers to implement a production conformity software which resolved over 300 discrepancies and ensured proper engineering configuration

G650 Final Line & Composite Manufacturing Co-Op

January 2017 – December 2017

- Developed and fabricated over 30 tooling products for a wide range of aircraft fabrication applications using rapid prototyping techniques such as 3D printing
- Researched and redeveloped fabrication processes of 5 composite parts through ergonomic studies
- Applied aircraft structures and EWIS training through a month long production floor rotation while aiding in structural fabrication and electrical systems testing of three G650 Aircraft

McKenney's Inc.

Atlanta, Georgia

Interiors and Special Projects Intern

January 2015 – May 2015

- Supported management of projects by overseeing proposals, budgeting, labor, and materials for over 20 mechanical contracting projects including, Intercontinental Exchange and Ponce City Market
- Assessed labor and material requirements from engineering blueprints and developed proposals for over 30 mechanical contracting projects

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY

Atlanta, Georgia

Bachelor of Science in Mechanical Engineering

August 2013 – May 2018

- Analyzed the effect of phase change material (PCM) concentration on the thermal and mechanical performance of thermally modulating fibers for implementation in the construction, clothing, and other industrial applications
- Developed the electronic systems of an autonomous vehicle to navigate and complete objectives using LIDAR
- Modeled, analyzed, & optimized the structural & aerodynamic design of a formula SAE motor vehicle using FEA

The Odin Project

Atlanta, Georgia

Full Stack Web Development

February 2022 – August 2022

- Course Information

ACTIVITIES AND LEADERSHIP

Gulfstream Aerospace

Savannah, Georgia

Operations Engineering Co-Op Program Steering Team Member

November 2019 – Present

- Recruited & interviewed prospective students at career fairs to grow and develop the Engineering Co-Op Program
- Lead a professional development program to teach professional skills to engineering students while, giving them opportunities to implement these skills on a daily basis

Yellow Jacket Flying Club

Atlanta, Georgia

Private Aircraft Pilot

August 2017 – Present

- Earned Private Pilot License in December of 2018 and have logged over 90 hours of flight time

Yellow Jacket Space Program (YJSP)

Atlanta, Georgia

Structures Engineer

May 2016 – May 2017

- Design and analyzed the structures of the Karman 1 Rocket with a team of peers to, intended to be the first university built rocket to be launched above the Karman Line in 2018
- Created technical documentation including structural testing procedures for the Karman 1 Rocket thrust structures
- Performed FEA on various substructures to enhanced the structural performance of the Karman 1 rocket thrust structure

Phi Gamma Delta Fraternity

Atlanta, Georgia

Promotional Materials Developer

August 2013 – May 2016

- Designed garments and other promotional items while managing the production schedule and finances with both vendors and customers
- Performed marketing surveys and implemented findings into future product development opportunities

PROFESSIONAL SKILLS

Manufacturing: Aircraft Structures, EWIS, Composites, Laser Cutting, Machining, Woodworking, 3D Printing, Nonwoven Fabrics, Product Development, Materials Research,

Languages: Spanish – 5 years of experience, French – Elementary

Software: CATIA V5, Microsoft Office & Excel, Solidworks, Siemens Nx, Solumina, SmartTeam, SAP, Enovia, Nexus, JMP

Programming: Arduino, LabVIEW, MATLAB, National Instrument myRIO, Python

** ENOVIA, Nexus, PLM

TIPS:

- Update resume based on keywords from job role (experience and summary)
- Only include ~5 skills applicable to role