

PERRY MARTIN LUFKIN

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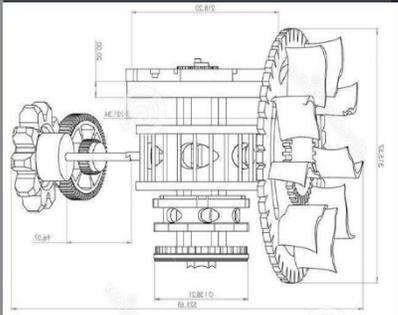


ENTRY-LEVEL MECHANICAL ENGINEER

An **Entry-Level Mechanical Engineer** combining a **Bachelor of Science in Mechanical Engineering (BSME)** with experience designing innovative engineering products/solutions to meet established benchmarks in weight, size, pressure, volume, and safety. Possesses a track record of capturing double-digit time savings through process automations, enhancements, and optimizations. Completes engineering calculations, 2D/3D models, and feasibility testing while controlling risks and complying with company standards, safety regulations, and engineering best practices.

CORE COMPETENCIES

Mechanical Engineering | Finite Element Analysis (FEA) | Testing | AutoCAD
Feasibility Studies | MATLAB | PTC Creo | 2D/3D Modeling | SOLIDWORKS
Engineering Calculations | Schematics/Blueprints | Engineering Design
Troubleshooting | OSHA Safety | Data Analysis | Unigraphics | Project Planning



EDUCATION

BACHELOR OF SCIENCE: MECHANICAL ENGINEERING (BSME)

UNIVERSITY OF CENTRAL FLORIDA: Orlando, FL

College of Engineering Dean's List | Magna Cum Laude

Graduated 5/2021 with a GPA: 3.76



MECHANICAL ENGINEERING INTERN EXPERIENCE



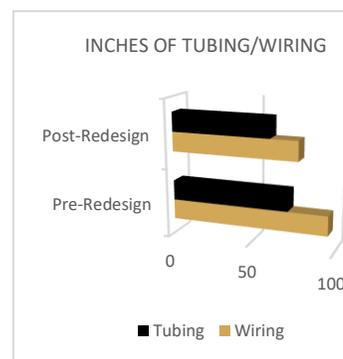
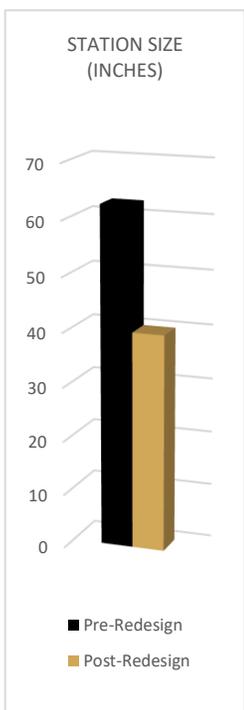
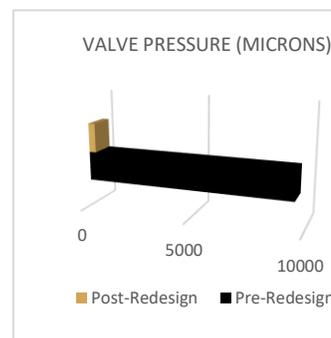
MECHANICAL ENGINEER INTERN

GREEN MOUNTAIN TECHNOLOGIES: Orlando, FL

Cultivated first-hand experience in mechanical engineering processes while serving as an intern for an organization dedicated to designing and manufacturing valves, gaskets, flanges, and pumps for use across the market.

- Completed Engineering Calculations and 3D Models to Support the Redesign of a Hydrogen Fill Station (comprised of hoses, vacuums, tubing, pumps, and wires). Project Results and Milestones:
 - Reduced Valve Pressure by 96.7%, from 9548 microns to 318 microns, improving the station's overall performance.
 - Compressed the Size of the Fill Station by 36%, from 62.5 inches to 40 inches, to maximize the use of space.
 - Captured a 15.3% Savings in Tubing Needs (from 72 inches to 61 inches) and an 18.75% Savings in Wiring Needs (from 96 to 78 inches) by redesigning layouts/routes throughout the station.
- Automated the Pressure Calculation Process of 17 Individual SKU Numbers. The initiative reduced the calculation processing times by 85%, from an average of 300 seconds to 45 seconds.
- Integrated MATLAB Drawings/Calculations into PTC Creo to reduce rework while improving the process of communicating data between the two systems.
- Led Feasibility Studies to assess costs, weights, and strengths.
- Developed 3D Designs and Models using SOLIDWORKS and prepared concepts for final testing.
- Conducted FEA (Finite Element Analysis) in 2D/3D Modeling Programs to define/mitigate structural and performance issues.

1/2021 – 5/2021



Perry came to me with a basic resume that did not include or showcase any of his accolades from school, achievements from his internship, and overall engineering knowledge gained from his education. So, I sat down with him for several hours, gathering the critical information needed to compose fact-based bullets with measurable results. These fact-based bullets with proven results both secured interviews with high-profile organizations and also allowed him to use these bullets as a sort of “launching pad” to answer any behavioral questions on an interview so that he was never a loss for words or stories to tell.

I chose safe resume colors while still including multiple graphs and charts that provided a visual summary of his contributions during his short internship. This allows the reader to rapidly assess his strengths. His college achievement leaf graphics were created in a graphic design program and are included as a PNG for seamless read by an ATS system.

Perry’s resume includes a mix of both achievements and keywords. This process communicates to the reader that not only can he complete the necessary tasks for the role, but also showcase an indisputable history of him being successful at them. He is worth a job offer at the higher salary spectrum.

Perry has received his first position and is truly excited to begin his engineering career. So far, he has referred three of his college friends to me as he was the first in their group to land a job.