NATHAN RYLEY THARP

nrtharp24@gmail.com
903-253-4987

OBJECTIVE:

Motivated mechanical engineer pursuing a career in Mechanical Engineering, bringing skills in analysis, design, and critical thinking to an industry leader.

WORK EXPERIENCE:

TechServ Consulting and Training, ltd. (Tyler, TX)

Associate Engineer   **09/2021 – 07/2022**

Management of major electric utility design projects in the West Texas region.

Creation of permit documentation including easements, county road, state highway, and transmission distribution.

Utilization of technical drawings in the formation of project specific design plans.

Employment of AeGIS Computer Aided Design (CAD) program to create detailed drawings and plans for electric distribution spanning several miles per project.

Obtain measurements and notate potential obstacles by traveling to the field location.

OSHA and First-Aid Certified

HVAC Manufacturing (Athens, TX)

Application Engineer   **02/2021 – 09/2021**

Implementation of front-end web development practices to design and update the company website.

Formation of back-end program which guides the customer through the design and ordering process of custom Variable Air Volume (VAV) boxes, as well as hydronic or electric heat coil selection and controls systems.

Maintain functionality of critical systems through debugging and error analysis.

Update of essential Excel documents utilized throughout the company and steps taken to prevent future corruption of the documents.

Project Engineer#   **07/2020 – 02/2021**

Point of contact for clients, provide guidance in selection of VAV boxes.

Construct job jackets for projects, detailing all relevant products, their placement, and supporting documentation.

Generation of sales through upselling practices and introduction of next-generation products.

EDUCATION:

University of Texas at Tyler, Tyler, Texas   **Graduated: 05/2020**

Bachelor of Science in Mechanical Engineering

PROFICIENCIES:

ANSYS	Microsoft Office Suite	Computational Fluid Dynamics
SolidWorks/AutoCAD	Vibrational Analysis	Functional Analysis
C++/MATLAB/Python	Material Science of Polymers	Technical Report Writing

ATTRIBUTES:

Project Management	Determination	Presentation Skills
Critical Thinking	Time Management	Organization
Communication	Professionalism	Resourceful