

ALISON GAFFER

Piping Design Engineer

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(538) 772-9353

1234 Palm Tree Lane, Miami, FL 33101



PROFILE

A Piping Design Engineer with 5 years of experience in the engineering and design of complex piping systems for various industries including oil and gas, petrochemical, and power generation. Possesses strong technical skills in utilizing advanced design software and tools, as well as a comprehensive understanding of industry codes and standards. Adept at collaborating effectively with multidisciplinary teams to deliver high-quality and cost-effective solutions for clients. Demonstrates excellent problem-solving skills and a commitment to continuous improvement and professional development.

LINKS

[linkedin.com/in/alisongaffer](https://www.linkedin.com/in/alisongaffer)

SKILLS

AutoCAD

SolidWorks

PDMS (Plant Design Management System)

CAESAR II

Navisworks

P&ID (Piping and Instrumentation Diagram)

BIM (Building Information Modeling)

LANGUAGES

English

EMPLOYMENT HISTORY

● Piping Design Engineer at Piping Design Solutions Corp., FL

Feb 2023 - Present

- Successfully designed and implemented a complex piping system for a major refinery project, resulting in a 20% increase in efficiency and a cost savings of \$5 million for the client.
- Led a team of 5 junior engineers in the development of an innovative piping layout for a large-scale chemical plant, reducing material costs by 15% and minimizing maintenance requirements.
- Developed and executed a comprehensive training program for new hires, increasing overall department productivity by 25% and reducing onboarding time by 50%.

● Junior Piping Design Engineer at Stellar Energy Americas Inc., FL

Aug 2018 - Jan 2023

- Successfully designed and implemented a piping system for a 50,000 sq. ft. facility, reducing material costs by 15% and increasing overall efficiency by 10%.
- Developed and optimized 3D models for a major refinery project, resulting in a 20% reduction in design time and an estimated cost savings of \$1 million.
- Collaborated with a multidisciplinary team to complete a major pipeline retrofit project, achieving a 25% increase in throughput capacity and extending the pipeline's lifespan by 10 years.
- Streamlined the company's piping design process by creating standardized templates and guidelines, leading to a 30% reduction in project errors and a 5% increase in overall project completion time.

EDUCATION

Bachelor of Engineering in Mechanical or Piping Design at University of Florida, Gainesville, FL

Aug 2014 - May 2018

Relevant Coursework: Mechanics of Materials, Fluid Mechanics, Thermodynamics, Heat Transfer, Machine Design, Engineering Materials, Piping System Design, Stress Analysis, CAD/CAM, and Finite Element Analysis.

CERTIFICATES

Certified Piping Designer (CPD)

Dec 2021

SPED Professional Piping Designer Certification

Feb 2020