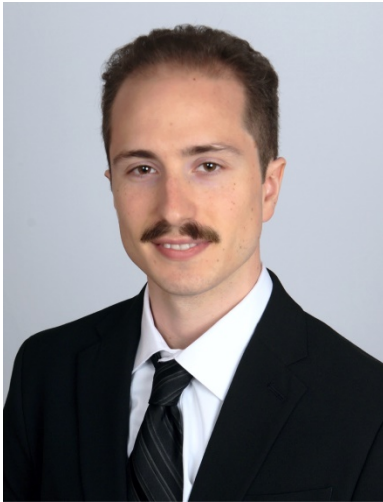


Justin A. Lanan

Engineer



EXPERIENCE

Engineer

2019-Present

Process Engineer

2018-2019

Thermal

Performance Engineer

2015-2017

EDUCATION / CREDENTIALS

Northeastern University

B.S. Chemical Engineering (& Minor in Mechanical Engineering)

Before joining STPA in 2019, Mr. Lanan worked as a process engineer at a food production facility. While there his responsibilities included working as a plant operator and wastewater quality assurance technician and assisting in the design of a new wastewater handling system. He led the effort at specifying, selecting, installing, and commissioning continuous food production equipment. He also had the opportunity to perform equipment inspections and tag-out/lockout of equipment during a maintenance outage.

Following Alstom's acquisition by General Electric (GE), Mr. Lanan worked as a thermal performance engineer for GE. He designed custom heating elements for testing the thermal performance of rifled tubing, worked on the development of thermal modeling software for fossil fuel fired boiler applications, drafted technical documents for customers, and drafted proposals for power plant boiler designs to satisfy ASME Boiler and Pressure Vessel requirements.

In the process of acquiring his degree in chemical engineering, Mr. Lanan had an array of internships for Dupont, Henkel/Locktite, and Ashland Inc. These included development of models and computer programming, experimental design, training laboratory technicians, scale-up of laboratory batch processes and assisting in the writing of technical procedures.

When this resume was prepared, Mr. Lanan had just joined STPA. As such his main activities included safety training, receiving one on one training, and reviewing instructional materials and reports on heat recovery steam generators (HRSG), chemistry limits, sampling and online chemistry monitoring systems, commissioning of combined cycle plants, and equipment inspections. As part of his onsite power plant training, he is commissioning sample panels for combined cycle plants.