

LIANA DIMAURO ROCHESTER INSTITUTE OF TECHNOLOGY

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📍 San Francisco Bay area

in liana-dimauro

2 years of experience in design, process and field service engineering. Looking to obtain a full-time position in a Mechanical Engineering role.

Skills

SOFTWARE / COMPUTER

Matlab

Solidworks

Autodesk Inventor

LabView

Autodesk AutoCAD

PTC Creo

Minitab

MS Office

Microsoft Project

Simulink

Adobe Illustrator

FEA Analysis

Xfoil

Arduino Programming

Fusion 360

EQUIPMENT

3D Printing

CNC Machining

Instron

CMM Measurement Equipment

OGP Smartscope

OTHER

GD&T

Gage R&R

Metal and Plastic Fabrication

Various Plastic Manufacturing

Technical Writing

Prototyping

Design of Experiments

CLASSES TAKEN

Aerodynamics

Applied Statistics

Circuits with Lab

Fluid Mechanics

Heat Transfer

Materials Science with Lab

Orbital Mechanics

Thermodynamics

Strengths of Mechanics 1 and 2 with Lab

System Dynamics

Wind Turbine Engineering

Education

Rochester Institute of Technology
Bachelor of Science Mechanical Engineering

Aug. 2014 to May 2019

Employment

TA Instruments

Field Service Engineer

Northern California

Oct. 2019 to Current

- Install, calibrate, and repair thermal lab instrumentation with minimal supervision. Developed solutions to mechanical, electrical subsystem and software malfunctions via diagnostic evaluation and customer input.
- Train customers on machine and software functionality, basic maintenance, and troubleshooting skills for specific instrumentation. Recommend assay specifications for optimization of data collection.
- Manage daily on-site customer visits. Must independently order machine component parts, maintain equipment inventory levels, arrange travel plans, and allocate sufficient time per customer visit.
- Provide excellent customer service. Listen carefully to customer concerns via email, phone, and in person communication. Address issues until I am able to provide them with solutions that work for their unique situation.
- Aid customers in deciding on the best service contract or repair option that fits their budget. Support customers through the process of reducing downtime to increase overall productivity.

Thermo Fisher Scientific

Design Engineering Co-op - New Product Development Department

Rochester NY

Jan. 2018 to June 2018

- Assisted in the development of new products and supported existing products in the laboratory plastics division.
- Helped to create and implement engineering test protocols and reports for testing parts.
- Created metrology for Smartscope and CMM equipment – Helped develop fixtures in Solid Works and programs in MeasureMind to accurately measure plastic parts, incorporating tolerance stack up.
- Supported design analysis processes including Design Verification and Technical Reviews, checking the engineering inputs and testing capability of new products and processes.
- Implemented time studies, created and completed learning time frame for parts to remain functional using dimensional, pressure and user simulation testing.
- Benchmark tested existing products for performance, shelf life, and durability using various techniques.

Anaren Microwave

Process Engineering Co-op - Space and Defense Department

Syracuse NY

Jan. 2017 to Sept. 2017

- Designed fixtures in Inventor to expedite the production process.
- Observed how operators on the production floor worked with devices. Worked with operators to come up with new ways to make their processes more efficient.
- Conducted experiments to see how products went through processes, analyzed issues that the devices were experiencing at various stages of production.
- Worked with new projects, and predicted possible problems before production started.

FltPlan.com

Customer Service/ Technical Support

Southbury, CT

May 2013 to Dec. 2016

- Attracted potential customers by answering product and service questions, suggested information about other products and services.
- Resolved technical problems by clarifying the customer's complaint, determined the cause of the problem, and explained the best solution to the problem.

Projects

Senior Design - Project Manager

Water Powered USB charger (Prototype)

Aug. 2018 to May 2019

- Maintained the role of project manager which included organizing and planning for the team; kept team members accountable and ensured the project remained on track.
- Designed and built many different prototypes incorporating 3D modeling, ordering parts and materials, and building in RIT's machine shop.
- Wrote and executed test plans for testing the design was waterproof, functional electrically and mechanically, and durable.
- Outcome: The team was successful in creating an independent, waterproof, portable turbine which had the capability to charge a cell phone when rotating at a certain rpm.

Awards

Deans List at Rochester Institute of Technology

RIT Presidential Scholarship

Activities

Society of Women Engineers · Mentor

Aug. 2014 to May 2019

Mentor for perspective female engineering students, including overnight retreat and various information sessions and activities for women looking to attend RIT