Greg Linger

Mechanical Engineer

ADDRESS 1515 Pacific Ave, Los Angeles, CA

90291, United States

EMAIL email@email.com

NATIONALITY American

LINKS <u>Github</u>, <u>Linkedin</u>, <u>Facebook</u>

PHONE (541) 754-3010

PLACE OF BIRTH San Antonio

DRIVING LICENSE Full

Profile

Technically orientated Mechanical Engineer with over six years experience in reliability and maintenance activities within a clean room environment. Highly adept with mechanic supporting sanitation systems and equipment. Completed a Masters Degree in Thermodynamics and holds a Professional Engineering license.

Employment History

May 2018 - Present

FORT LAUDERDALE

Mechanical Engineer III

Zimner Medical Devices

Responsible for reliability testing of more than 30 pieces of outdated machinery and improved their efficiency by 70% with minor design tweaks.

- Test CNC machinery and equipment to ensure they function correctly and schedule preventative maintenance activities
- Coordinate reliability testing and devise planned maintenance schedules to coincide with commissioning activities
- Facilitate the safe testing and commissioning of all high voltage machinery and equipment
- Make sure all PLC are tested and maintained according to the operational requirements of the plant

Jan 2017 - May 2018

TEWKSBURY

Mechanical Engineer II

Corneing Thermodynamics

Part of the product development team that conceptualized more than 15 thermal devices in the last quarter and received a 100% pre-approval rating for all prototypes presented.

- Support the entire production process regarding quality inspections and cost improvement initiatives.
- Collaborate with mechanical packaging-designers and electrical engineers to define upcoming projects in terms of timeframes, financial resources, and allocation of labor
- · Create 2D and 3D schematics and drawings on Solidworks and AutoCAD
- Monitor project progress, record test results, write quality reports and submit to senior engineer for final approval

Mechanical Engineer I

Confluence Devices

Improved the undisrupted equipment reliability by adding two extra planned maintenance schedules per quarter resulting in zero shutdowns due to machine failures in the last 12 months.

- Design product concepts, build prototypes and conduct testing and validation on Class I medical devices
- Establish ongoing relationships with potential overseas private equity firms to secure funding for commercialization of pilot products
- Interact with potential manufacturers and create proposals to set up assembly lines, packaging requirements and production specifications
- Define product specifications, wrote inspection and testing manuals and draft failure analysis reports
- Propose design improvements and redesign suggestions to the product development team to correct problems with prototypes

Education

Jun 2019 - Jun 2019

SENECA

National Council of Examiners for Engineering and Surveying (NCEES)

Professional Engineering (PE) Exam,

Jun 2019 - Present

CHARLOTTE

University of North Carolina

Doctor of Philosophy in Mechanical Engineering

Thesis Topic: Micro-electromechanical systems design and design optimization in Class II Medical Device applications

May 2017 - May 2017

LOS ANGELES

The International Association for Plumbing and Mechanical Inspectors

Certified Mechanical Inspector,

Jan 2016 - Jun 2016

DEERBORN

Society for Manufacturing Engineers

Certified Manufacturing Engineer

Jun 2015 - Jun 2017

MINNEAPOLIS

University of Minnesota

Master of Science: Mechanical Engineering,

Jun 2011 - Jun 2014

DULUTH

University of Minnesota

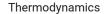
Bachelor of Science: Mechanical Engineering

GPA of 3.75

Curriculum: Mechanics of Materials, Visual Thinking, Mechanical Systems Design.

Thermodynamics





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Robotics	• • • • •	Pneumatics	• • • • •
Design	• • • • •	Quality Control	• • • • •
Physics	• • • • •	Coding	• • • • •
SolidWorks	• • • • •	Data Assimilation	• • • • •
Autodesk Revit	• • • • •	Autocad	• • • • •
Product Testing	• • • • •	Python	• • • • •
Mathematics	• • • • •		

Courses

Sep 2018 – Nov 2019 Advanced Civil 3D and Reality Capture

CAD Masters Inc., Sacramento

Jul 2016 – Aug 2016 3D, Revit and Navisworks Course

Applied Software Training Center, Atlanta

Languages

English, Russian