

# Greg Linger

MECHANICAL ENGINEER

## Details

1515 Pacific Ave, Los Angeles, CA  
90291, United States  
(541) 754-3010  
email@email.com

NATIONALITY

American

DRIVING LICENSE

Full

PLACE OF BIRTH

San Antonio

## Links

[Github](#)

[Linkedin](#)

[Facebook](#)

## Skills

Nanotechnology

Robotics

Design

Physics

SolidWorks

Autodesk Revit

Product Testing

Mathematics

Thermodynamics

Pneumatics

Quality Control

Coding

Data Assimilation

Autocad

Python

## 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

### Mechanical Engineer III , Zimmer Medical Devices, Fort Lauderdale

MAY 2018 – PRESENT

*Responsible for reliability testing of more than 30 pieces of outdated machinery and improved their efficiency by 70% with minor design tweaks.*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

### Mechanical Engineer II, Corneing Thermodynamics, Tewksbury

JANUARY 2017 – MAY 2018

*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, Borger

JANUARY 2016 – DECEMBER 2016

*Improved the undisturbed 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

**Professional Engineering (PE) Exam,, National Council of Examiners for Engineering and Surveying (NCEES), Seneca**

## Languages

English, Russian

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JUNE 2019 – JUNE 2019

### **Doctor of Philosophy in Mechanical Engineering, University of North Carolina, Charlotte**

JUNE 2019 – PRESENT

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

### **Certified Mechanical Inspector,, The International Association for Plumbing and Mechanical Inspectors, Los Angeles**

MAY 2017 – MAY 2017

### **Certified Manufacturing Engineer, Society for Manufacturing Engineers, Deerborn**

JANUARY 2016 – JUNE 2016

### **Master of Science: Mechanical Engineering,, University of Minnesota, Minneapolis**

JUNE 2015 – JUNE 2017

### **Bachelor of Science: Mechanical Engineering, University of Minnesota, Duluth**

JUNE 2011 – JUNE 2014

GPA of 3.75

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

## Courses

### **Advanced Civil 3D and Reality Capture, CAD Masters Inc., Sacramento**

SEPTEMBER 2018 – NOVEMBER 2019

### **3D, Revit and Navisworks Course, Applied Software Training Center, Atlanta**

JULY 2016 – AUGUST 2016