

Brendan Najarro



Mechanical Engineer

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Email	email@email.com	Place of birth	San Antonio
Nationality	American	Driving license	Full
Links	Github , Linkedin , Facebook		

01 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.

02 EMPLOYMENT HISTORY

05/2018 — Present

Mechanical Engineer III at Zimmer Medical Devices

Fort Lauderdale

Responsible for reliability testing of more than 30 pieces of outdated machinery and improved their efficiency by 70% with minor design tweaks.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

01/2017 — 05/2018

Mechanical Engineer II at Corneing Thermodynamics

Tewksbury

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

01/2016 — 12/2016

Mechanical Engineer I at Confluence Devices

Borger

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

03 EDUCATION

Jun 2019 — Jun 2019

National Council of Examiners for Engineering and Surveying (NCEES)

Seneca

Professional Engineering (PE) Exam,

Jun 2019 — Present

University of North Carolina

Charlotte

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

The International Association for Plumbing and Mechanical Inspectors

Los Angeles

Certified Mechanical Inspector,

Jan 2016 — Jun 2016

Society for Manufacturing Engineers

Deerborn

Certified Manufacturing Engineer

Jun 2015 — Jun 2017

University of Minnesota

Minneapolis

Master of Science: Mechanical Engineering,

Jun 2011 — Jun 2014

University of Minnesota

Duluth

Bachelor of Science: Mechanical Engineering

GPA of 3.75

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

04 SKILLS

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

05 COURSES

Sep 2018 — Nov 2019

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

Jul 2016 — Aug 2016

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

06 LANGUAGES

English, Russian ● ● ● ● ●