

BRENDAN NAJARRO

Mechanical Engineer

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email@email.com

Place of birth *San Antonio* Driving license *Full*
Nationality *American*

LINKS

[Github](#), [Linkedin](#), [Facebook](#)

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** May 2018 — Present
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Responsible for reliability testing of more than 30 pieces of outdated machinery and improved their efficiency by 70% with minor design tweaks.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

❖ **Mechanical Engineer II, Corneing Thermodynamics** Jan 2017 — May 2018
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

❖ **Mechanical Engineer I, Confluence Devices** Jan 2016 — Dec 2016
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

EDUCATION

❖ **National Council of Examiners for Engineering and Surveying (NCEES)** Jun 2019 — Jun 2019
Professional Engineering (PE) Exam, Seneca

❖ **University of North Carolina** Jun 2019 — Present
Doctor of Philosophy in Mechanical Engineering Charlotte

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

❖ **The International Association for Plumbing and Mechanical Inspectors** May 2017 — May 2017
Certified Mechanical Inspector, Los Angeles

❖ **Society for Manufacturing Engineers** Jan 2016 — Jun 2016
Certified Manufacturing Engineer Deerborn

❖ **University of Minnesota** Jun 2015 — Jun 2017
Master of Science: Mechanical Engineering, Minneapolis

❖ **University of Minnesota** Jun 2011 — Jun 2014
Bachelor of Science: Mechanical Engineering Duluth

GPA of 3.75

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

SKILLS

Nanotechnology <i>Skillful</i>	Thermodynamics <i>Skillful</i>
Robotics <i>Skillful</i>	Pneumatics <i>Skillful</i>
Design <i>Skillful</i>	Quality Control <i>Skillful</i>
Physics <i>Skillful</i>	Coding <i>Skillful</i>
SolidWorks <i>Skillful</i>	Data Assimilation <i>Skillful</i>
Autodesk Revit <i>Skillful</i>	Autocad <i>Skillful</i>
Product Testing <i>Skillful</i>	Python <i>Skillful</i>
Mathematics <i>Skillful</i>	

COURSES

❖ **Advanced Civil 3D and Reality Capture** Sep 2018 — Nov 2019
CAD Masters Inc., Sacramento

❖ **3D, Revit and Navisworks Course** Jul 2016 — Aug 2016
Applied Software Training Center, Atlanta

LANGUAGES

English, Russian *Native speaker*