

Brendan Najarro, Mechanical Engineer

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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

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Responsible for reliability testing of more than 30 pieces of outdated machinery and improved their efficiency by 70% with minor design tweaks.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

Jan 2017 — May 2018 **Mechanical Engineer II, 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

Jan 2016 — Dec 2016 **Mechanical Engineer I, 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
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EDUCATION

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

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

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

May 2017 — May 2017	Certified Mechanical Inspector,, The International Association for Plumbing and Mechanical Inspectors	Los Angeles
Jan 2016 — Jun 2016	Certified Manufacturing Engineer, Society for Manufacturing Engineers	Deerborn
Jun 2015 — Jun 2017	Master of Science: Mechanical Engineering,, University of Minnesota	Minneapolis
Jun 2011 — Jun 2014	Bachelor of Science: Mechanical Engineering, University of Minnesota GPA of 3.75 Curriculum: Mechanics of Materials, Visual Thinking, Mechanical Systems Design. Thermodynamics	Duluth

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

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	Native speaker
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