

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
	<i>Responsible for reliability testing of more than 30 pieces of outdated machinery and improved their efficiency by 70% with minor design tweaks.</i>
	<ul style="list-style-type: none">• 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
	<i>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.</i>
	<ul style="list-style-type: none">• 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
	<i>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.</i>
	<ul style="list-style-type: none">• 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	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