

BRENDAN NAJARRO

Mechanical Engineer

INFO

ADDRESS

1515 Pacific Ave, Los Angeles, CA 90291, United States

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PLACE OF BIRTH

San Antonio

DRIVING LICENSE

Full

NATIONALITY

American

LINKS

[Github](#)

[Linkedin](#)

[Facebook](#)

SKILLS

Nanotechnology



Robotics



Design



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Responsible for reliability testing of more than 30 pieces of outdated machinery and improved their efficiency by 70% with minor design tweaks.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

Jan 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

Physics


SolidWorks


Autodesk Revit


Product Testing

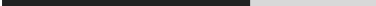

Mathematics


Thermodynamics


Pneumatics


Quality Control


Coding


Data Assimilation


Autocad


Python


LANGUAGES

English, Russian


- Monitor project progress, record test results, write quality reports and submit to senior engineer for final approval

Mechanical Engineer I, Confluence Devices

Borger

Jan 2016 — Dec 2016

Improved the uninterrupted 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

Jun 2019 — Jun 2019

Doctor of Philosophy in Mechanical Engineering, University of North Carolina

Charlotte

Jun 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

Jan 2016 — Jun 2016

Master of Science: Mechanical Engineering,, University of Minnesota

Minneapolis

Jun 2015 — Jun 2017

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

Duluth

Jun 2011 — Jun 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**

Sep 2018 — Nov 2019

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

Jul 2016 — Aug 2016