Carlos Garcia

• Engineer • Python Developer • B.S. in Engineering

💼 WORK EXPERIENCE

Manufacturing Engineer I – Full-time
At Boston Scientific, Spencer, IN　　　　　08/2021 – Present

◊ Developing an Application with **Python** and **SQL** that monitors manufacturing line's scrap, MUV rates and performance.

◊ Using **Python**, **SQL** and **Power BI** to create reports on data from the **Manufacturing Execution System**

◊ Working on a team to provide **data analysis** and identify trends to drive continuous improvement efforts.

◊ Leading improvement projects on the LithoVue Elite manufacturing line.

Validation Engineer – Full-time *at FITS, LLC*
Contracted by Bristol-Myers Squibb, Manatí, PR　　11/2020 – 08/2021

◊ Provided technical expertise for **testing** new **equipment**, **facilities**, and **utilities** at Bristol-Myers Squibb manufacturing site.

◊ Developed **commissioning** and **qualification** protocols and reports applying standard engineering procedures, and **GMP** guidelines.

◊ Worked directly with project managers to complete **design**, **engineering**, and **construction projects** within schedule and budget constraints.

Mechanical Drafter – Part-time *at DASA Group, Inc.*
Contracted by Boston Scientific, Dorado, PR　　01/2019 – 01/2020

◊ Created parts, assemblies, technical drawings, and documentation using **SolidWorks** software to **remotely support fixture design projects**.

◊ Ensured compliance with **Geometric Dimensioning and Tolerancing** (GD&T) per ASME Y14.5M-1994 guidelines.

◊ Leveraged proficiency in **project management** and **CAD software** to support projects for **Boston Scientific**.

Mechanical Engineer – Full-time Co-op
At Boston Scientific, Dorado, PR　　　　　07/2018 – 12/2018

◊ **Collaborated with multifunctional teams** to develop innovative **design solutions for fixtures**, **machinery and equipment** used to manufacture implantable medical technologies.

◊ Used **SolidWorks** software for design development and for **Finite Element Analysis** of parts and assemblies.

◊ Developed design drawing packages adhering to **GD&T** guidelines.

◊ Spearheaded a **Corrective and Preventative Action** (CAPA) project by developing an all-new coil cutting fixture design.

👥 PROJECTS

Mechanical Design Lead & Project Manager
3D RUM, 3D Printer Design　　　　　　　08/2017 – 05/2020

Mechanical Engineering Lead & Project Manager
RUMarino, Autonomous Underwater Vehicle Project　08/2016 – 12/2019

👤 CONTACT

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🖥 CarlosAdrianGarcia.com

🎓 EDUCATION

Bachelor of Science, Mechanical Engineering

University of Puerto Rico, Mayagüez

Graduated – Magna Cum Laude 🏅
08/2014 - **06/2020**

GPA:	**3.92** / 4.00
Major GPA:	**4.00** / 4.00

🧠 SKILLS

Software / Systems Proficiencies

Python	★★★
SQL	★★☆
VBA	★★☆
JavaScript	★★☆
Git & GitHub	★★☆
MS Apps	★★★
Power BI	★★☆
PowerShell	★☆☆

Validation / Manufacturing Skills
◊ Manufacturing Execution Systems
◊ IQ, OQ, PQ & GMP knowledge
◊ Computer Software Validation

Technical Skills & Competencies
◊ Data Science
◊ Statistical Analysis
◊ Analytical Skills
◊ Debugging and Troubleshooting

Soft Skills
◊ Personal Responsibility
◊ Teamwork and Collaboration
◊ Self-Awareness

Languages
◊ English, Fluent
◊ Spanish, Native

🎖 CERTIFICATIONS

◊ Lean Six Sigma Yellow Belt
◊ SolidWorks Certified Associate, Mechanical Design