



# CARLOS A. GARCIA

Engineer | Software Developer | Front-End Engineer

## PROFILE

Innovative, task-driven professional with a diverse Engineering background. My curiosity in technology and my drive to learn sparked a passion in Software Development.

My diverse experience in Manufacturing, Validation and Projects gives me the ability to adapt quickly and confidently.

## CONTACT

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## RELEVANT SKILLS

### Advanced:

- JavaScript (React, Vue, Redux, Node, TypeScript)
- HTML & CSS
- SQL (MySQL, PostgreSQL)
- Python
- VBA
- Power Platform (Power Apps, Power Automate, Power BI)

### Familiar:

- C++
- C# (.NET)

### Tools:

- VS Code
- Terminal (Bash, PowerShell)
- Git & GitHub (CD & CI)

### Languages:

- English. Fluent
- Spanish, Native

## EDUCATION & CERTIFICATIONS

### Front-End Engineer Professional Certification

Codecademy

Feb-2023

Relevant Skills: JavaScript, HTML, CSS, React, Redux, Data Structures, Algorithms, Git & GitHub

### Bachelor of Science in Engineering

University of Puerto Rico, Mayagüez

Jun-2020

GPA:

3.92/4.00

Relevant Skills: Python, Data Science, Critical Thinking, Analytical Skills, Problem Solving, Teamwork

## PROJECTS

### NBA Reddit App



Personal Project

- Developed a Reddit Client App that displays a feed from the NBA subreddit.
- Built with **React**, **Redux** and **Tailwind CSS**.
- Deployed using **Netlify**.

### Line Reporting Automation Project

At Boston Scientific

- Developed Dashboards that automatically reports manufacturing line performance numbers and analytics.
- Built using **Power BI**, **Power Automate**, **Python**, and a company **SQL Server**.
- Saving the company over \$500k a year by reducing the time spent scraping through excel files and eliminating repetitive work.

## WORK EXPERIENCE

### Manufacturing Engineer – Developer – Full time

At Boston Scientific, Spencer, IN

Aug-2021-Present

- Developing Applications with **Python** that interact with **SQL servers** to monitor manufacturing line performance and generate reports.
- Using **Python**, and **Power BI** to create reports that helps the core team respond to daily manufacturing issues, and drive projects.
- Leading **data analysis** efforts and identifying trends on the data retrieved from **SQL servers** to

### Validation Engineer – Full time

At FITS, LLC, Contract with Bristol-Myers Squibb, Manatí, PR

Nov-2020-Aug-2021

- Worked directly with project managers to complete engineering projects within schedule and budget constraints.
- Developed testing protocols for new equipment, and new software to ensure project requirements were met.
- Created **VBA programs** to automate repetitive work done when creating testing protocols and excel reports.