

# Justin F. Rivera Rodriguez

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## Objective

Aspire for an opportunity as a computer engineer, where I will develop myself professionally and acquire new skills, by contributing with knowledge to the company's needs.

## Education

**B.S. Computer Engineering & Minor in Project Management | Expected: June 2023 | University of Puerto Rico, Mayagüez Campus**

– 3.46/4.00 GPA

– Currently coursing: Artificial intelligence, social foundations of education and Introduction to linear algebra and Computer engineering project design

## Skills & Abilities

- Bilingual, fluent both in English and Spanish
- Microsoft Office Suite
- Experience in html, PHP, C & C++, Linux, Java (Beginner), Golang, SQL, Python
- Teamwork and leadership skills

## Experience

### E3 Consulting Software Engineering Intern| Remote, PR

August 2022 – December 2022

– Designed advanced systems and built new modules to create unique back-end java frameworks, front end views, and database solutions.

### Dell Technologies ISG Engineering Intern| Remote, PR

June 2022 – August 2022

– Worked as a software engineer developing terraform plugin providers for a RESTful API using Golang language to automate infrastructure provisioning and efficiency. Integrated CI/CD pipelines to automate the creation of each provider, this including lint and acceptance testing. Also, implemented version control to the providers.

### E3 Consulting Software Engineering Intern| Remote, PR

January 2022 – April 2022

– While assessing applications, processes, and goals and transforming requirements into stipulations, the design of sophisticated systems and construction of new modules to create bespoke back-end java frameworks, front-end views, and database solutions was conducted.

### Dell Technologies ISG Engineering Intern| Remote, PR

May 2021 – August 2021

– Worked as a software engineer mapping substantial iDRAC data to OpenBMC utilizing linux D-bus for interprocess communication to create a plugin that provides OpenBMC web-vue, RESTful API, and Intelligent Platform Management Interface for the iDRAC.

### Comsense | Aguadilla, PR | Remote, PR

March 2020 – May 2020

– Worked as a customer service representative for the SBA program.

## Projects

## **Frontend and Backend System for Amazon-Style Service**

– Built a database application and RESTful API using Flask, implemented in Python language and a user-friendly front end which provided the use of the database without direct interaction of the user, the application was implemented using layers of increasing complexity and complex data structures.

## **Pac Man, Dinner Dash, and Particle System Functionalities**

– Gave functionality and integrated new personalized attributes to the mentioned applications implemented in C++, this process required the use of object-oriented programming and algorithms.

## **MSP 430 using Assembly Language**

– Used Assembly Language to give functionality to the led lights and buttons of an MSP430 based on stakeholder's specifications.

## **Indoor Environmental Crowd Control System**

– Designed a device that could measure environmental factors that functioned as indicators of indoor environmental quality and provided crowd control for indoor settings.

## **Extracurricular**

### **Unboxed Dell Intern Hackathon | Online, Dell Technologies**

July 2022

### **Dell Technologies Intern Scholars Program | Remote, PR**

May 2021 – Present

### **(NSLS) National Society of Leadership and Success| Mayagüez Chapter, PR**

December 2020 – Present

### **Committee, (IEEE-CAS) Circuits and Systems Society |Mayagüez Chapter, PR**

February 2021 – January2022

### **“The Complete Java Certification Course” by Imtiaz Ahmad | Online, Udemy**

December 2020

– Completed 17.5 total hours of a Java Course which covered generics, objects, hashcode, collections, file processing and other object-oriented programming concepts.

### **Design Liaison, NASA L'Space Academy Online | University of Puerto Rico, Mayagüez Campus**

September 2019-December 2019

– Scheduled group meetings to ensure communication between all representative parties while maintaining sprint at an efficient rate for the creation of a PDR based on project specifications.