Leonardo G. Torres De La Rosa

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Education

University of Puerto Rico, Mayagüez Campus — Expected Graduation Date: May 2023
Bachelor of Science in Computer Engineering: Computing Systems — GPA: 3.79/4.00

Relevant Skills

- Experienced in full stack development with Spring Boot, Flask, React, Angular, TypeScript, Java, Python, Elastic, PostgreSQL, Oracle SQL, HTML, CSS, and JavaScript.
- Knowledgeable in Docker and AWS.
- Fully bilingual in English and Spanish.

Work Experience

JPMorgan Chase & Co. — June 2022 – August 2022
Software Engineer Intern
- Published to production a full stack dashboard application for premier clients to see their key company transaction metrics in near real time.
- Developed the backend using Spring Boot connecting to Elasticsearch indexes and Oracle SQL tables.
- Designed the frontend using the Angular Framework.
- Designed Elasticsearch queries for obtaining aggregated metrics for the dashboard charts and statistics.

AbbVie Biotechnology — January 2022 – May 2022
Business Technology Solutions - Internal Manufacturing and Engineering Intern
- Designed testing procedures for Filter Integrity Testing for the Small Volume Parenteral area.
- Programmed the Filter Integrity Testing procedure into the company's Manufacturing Execution System (MES).
- Deployed business applications such as an event registration app, equipment status checker, material inventory checker, and inspection readiness app.

Verizon — June 2021 – August 2021
Software Developer Intern
- Standardized the process of adding and generating GIS map layers to the Network Planning platform.
- Built a full stack web app using Spring Boot for the backend and an internal framework with jQuery for the frontend.
- Implemented an automated workflow with user tasking.

Verizon — June 2020 – August 2020
Technology Strategy, Architecture and Planning Intern
- Built a computer vision Android app implementing sentiment analysis, object detection, and temperature screening.
- Implemented a Docker based app architecture to make use of 5G tech such as multi-access edge computing (MEC).
- Conducted research, prepared documents, and presented valuable insight and recommendations on emerging technologies.

NAVSEA Naval Surface Warfare Center — January 2020 - May 2020
Computer Engineer Intern
- Co-led inspection and testing for 303 Input-Output Modules.
- Led operating systems software testing for various laptops.
- Created testing procedures for Input-Output Module cards and updated technical documents.

Leadership Experience

IEEE – Eta Kappa Nu Lambda Tau Chapter at the University of Puerto Rico, Mayaguez Campus — May 2021 – Present
Chapter President

IEEE – Eta Kappa Nu Lambda Tau Chapter at the University of Puerto Rico, Mayaguez Campus — January 2021 – May 2021
Corresponding Secretary

Student Counselor at the University of Puerto Rico, Mayaguez Campus — September 2017 – August 2020
Co-leader

Projects

Booking System for Google Calendar-Style Service — October 2021 – December 2021
Database Systems Course Project
- Deployed a full stack booking system web application with user authentication using JSON web tokens.
- Designed the database entity relation (ER) and table diagrams.
- Created the backend using the Python Flask Framework connecting to a PostgreSQL database hosted in Heroku.
- Designed the frontend using React and Semantic UI.
- Set up Postman collections to test application API endpoints.