



Gabriel E. Rodríguez Ortiz

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OBJECTIVE: To pursue an internship or coop where I can contribute towards its success and in return have a learning experience.

EDUCATION: University of Puerto Rico, Mayagüez, Puerto Rico
Bachelor's Degree in Computer Science and Engineering
Curricular Sequence in Mathematical Probability and Statistics
GPA: 3.89/4.00 Expected Graduation Date: May 2022

RELATED COURSEWORK: Data Structures, Data Mining/Machine Learning, Fundamentals of Computing

TECHNICAL SKILLS:

- Intermediate Level Proficiency in Python, Django, Java and git
- Basic Level Proficiency in JavaScript, jQuery, Node.js, Restify, Express.js, Jest, SQL and HTML/ CSS
- Tools and Technologies: JIRA, Jenkins, pgAdmin, PyCharm, Postman, Docker, Linux

EXPERIENCE:

RUMBus – Software Developer

Nov 2019 – Present

- Team developing a bus arrival system (Trolley App). Collaborated in the implementation of the Back-End and testing, using tools and technologies as Restify, Jest, supertest, Docker, DynamoDB and MariaDB.

Judicial Branch, Mayagüez, Puerto Rico - COOP

Jun 2019 – Present

- Working as a Confidential Systems Analyst Programmer. I am with a team employing Scrum framework developing a web application using tools as: Django for general development, PostgreSQL for the DB, Selenium for automation testing, Jenkins as CI tool, Jira for issue tracking and others. Implemented session cache with Redis and worked in the development of the docker image of the web app for production.

Moonbuggy Engineering Team, UPR at Mayagüez – Telemetry Member

Jan 2019 – May 2019

- Worked mostly in the development of the Back-End of a Web Application used for visualization of Rover's data, implementing a REST API with Node.js and Express.js. Also collaborated in the Front-End using tools as Angular, and tested the API using Postman.

Research: Predicting Trip Cancellations and No Shows in Paratransit Operations

Jan 2019 – Jul 2019

- Applied study implementing Machine Learning models to predict reservations outcomes and class probabilities using data from the Metropolitan Bus Authority of Puerto Rico. Helped refactoring the code, adding more Object-Oriented design to make it more scalable and easier to use. Used modules as sklearn, numpy and matplotlib.

ACTIVITIES:

American Society for Engineering Education – Board Member

Aug 2018 – Present

- Member of the Outreach and TISAM Committee. Participated in visits to schools, where we offered knowledge about the different branches of engineering to high school students.
- Impacted a huge group of high school students providing a review of mathematical concepts for the College Board exam and gave a workshop in the same school.

Advanced Programming Course Volunteer – Mentor

Jan 2019 – May 2019

- Worked in the committee that is in charge of preparing activities related to programming in order to improve students' skills, also we design mock exams and reviews of the necessary concepts for the exams.

AWARDS:

Engineering Pearls Member - Selected

2018

- The PEARLS program, sponsored by the National Science Foundation through the project, has as an objective helping students in all engineering disciplines in the UPRM to successfully complete their study programs and transition into professional life.