JOSHUA CRUZ CINTRON

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EDUCATION

University of Puerto Rico- Mayagüez
Bachelor of Science in Computer Engineering
GPA: 3.45
Expected Graduation Date: May 2022

SKILLS

Python- Advanced	Numpy	Jira
HTML & CSS- Intermediate	jQuery	Jenkins
Javascript - Intermediate	PostgreSQL	Leadership
Django	3D Printing	Teamwork
Flask	Fluent English	Public Speaking
Matplotlib	Fluent Spanish	git

EXPERIENCE

Confidential Systems Analyst Programmer
Court Administration Office, Judicial Branch of Puerto Rico | **June 2018 - Present**
UPRM COOP Program

- Developed features for a web application using tools such as: Python, Django, JavaScript, jQuery and PostrgreSQL.
- Worked on an agile development team employing Scrum framework.
- Optimized application testing by designing framework for unit test design using Selenium webdriver tool.

IEEE Research & Development Project Manager
University of Puerto Rico - Mayagüez **| February 2018 - June 2018**

- Managed resources to begin the program with 3 projects.
- Acquired information and research papers for use of the program members.
- Created alliance with IEEE scholar's program to allow first year students the chance to get involved in research early in college.

Computer Engineering Team
University of Puerto Rico - Mayagüez | **August 2017 - June 2018**

- Designed algorithm for autonomous navigation of maritime robot using machine vision and digital sensors.
- Worked on communication interface between Raspberry Pi 3, Arduino for motor control and navigation.
- Worked with multidisciplinary group of students with different project roles.

Computer Science Research Student
Partnership for Research and Education in Material Science, University of Puerto Rico - Humacao | **August 2015 - July 2017**

- Applied Python programming language and molecular dynamics simulations to research in material science.
- Extracted and analyzed data from molecular dynamics simulations using Python's matplotlib and numpy modules.
- Designed algorithms for image processing of confocal laser microscope images.