Joshua Cruz Cintrón

✉ joshua.cruz15@upr.edu ▫ (787) 429-2447 ▫ linkedin.com/in/joshuacruzc/ ☁ joshuacruz.xyz

EDUCATION

Bachelors of Science in Computer Science and Engineering
University of Puerto Rico Mayagüez · Expected Graduation: May 2022 · GPA: 3.45

EXPERIENCE

Full-Stack Developer Intern
Abartyshealth   **February 2020 - Present, San Juan, Puerto Rico**
· Develop internal dashboard for product metrics.

Backend Developer
RUMBus   **November 2019-Present, Mayagüez, Puerto Rico**
· Build REST Backend using restify framework for NodeJS.
· Use Docker to reduce overhead in development environment setup.
· Design API tests using the Jest framework.

Teacher's Aide (Advanced Programming Course)
Computer Science and Engineering Department UPRM   **August 2019-Present, Mayagüez, Puerto Rico**
· Collaborate with Professors, and other Aides to provide useful and diverse learning resources for students taking the course.
· Create challenging class projects for applying core course concepts such as Object Oriented Programming, recursion, and sorting using Java.
· Administer programming labs, where students apply course concept to programming challenges.

Confidential Systems Analyst Programmer
Judicial Branch of Puerto Rico   **June 2018 - August 2019, Mayagüez, Puerto Rico**
· Created web applications using Python, Django, JavaScript, jQuery, and PostgreSQL.
· Developed, tested, and deployed application used by more than 300 Judges in Puerto Rico.
· Analyzed and migrated 5 million rows of data from legacy database to new application.
· Optimized application testing by designing wrapper for unit testing using Selenium Webdriver tool.

PROJECTS

SemesterKeeper
API that takes the dependencies between courses in a curriculum and traces the shortest path (least semesters) towards graduation based on courses taken and reasonable amount of credits.

College-Housing API
A REST API that uses GIS to find housing near predetermined colleges and filtering by common features desired by students.

uitestframework
Wrapper for Selenium webdriver which uses POM to easily map a target website's elements for access by the webdriver.

Skipster
API that uses SpotifyWebClient to add songs to a playlist by voting.

COURSEWORK

· **Foundations of Computing**   · **Advanced Programming**   · **Data Structures**

INVOLVEMENT

American Society for Engineering Education (ASEE)
Mayagüez, Puerto Rico · Computer Science Workshop Facilitator · August 2019 - Present
Coordinated and lead computer science workshops for high school students.

SKILLS

Programming: Python, Java, JavaScript, SQL

Back End: Django, Flask, restify

Tools: git, Jenkins, Docker, Jira, Github, Gitlab, Travis