

George Perez Marrero

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EDUCATION

University of Puerto Rico at Mayagüez

Mayagüez, PR

Bachelor of Science in Computer Science

May 2020; GPA 3.13/4.00

Relevant Courses: Operating Systems, Computer Networking, Relational Databases, Software Engineering, Business Architecture, Computer Graphics

EXPERIENCE

Nagnoi

Software Engineer

June 2020 - Present

- Developed a **CI/CD backup pipeline** for internal development databases **improving backup script generation by 87.5%**
- **Relevant Skills:** C#, Microsoft SQL Server, SQL Server Integration Services (SSIS)

Puerto Rico Water Resources and Environmental Research Institute

Webmaster

October 2018 – December 2018

- Started the website transition to a more modern and faster, institutional Wordpress-based platform with improved readability and conformance with current web standards
- **Relevant Skills:** Wordpress, PHP

Puerto Rico Seismic Network

Student Worker (Web Developer)

August 2017 - April 2018

- Built on the research page web map by implementing a faster, more accessible, and fully responsive web map for the geodesy research page using **Leaflet.js**
- Worked with the Seismic Network's IT personnel with various tasks such as updating internal and public documentation, diagnosing computer problems, and setting up audio/visual equipment
- **Relevant Skills:** Leaflet.js, PHP

PROJECTS

Mamba Database Systems

January 2019 - May 2019

- Built a **small business inventory system with CRM-like features** with the **Agile/Scrum methodology** using **Flask (Python)**, **Ninja2**, **MySQL** and **Bootstrap**. A **RESTful API backend** updated the **Ninja2/Bootstrap-based frontend**
- Tracked customer orders along with client name and product listing, business info, products, stock, purchase price, SKU, among other things in a typical small business scenario
- **Relevant Skills:** Python, Flask, MySQL, Bootstrap, RESTful

TITANPOINTE

September 2016 - Present

- Built a personal website using Jekyll and Ruby to serve as a creative bed for development
- Created a student resource that automated fixes for SSH connection issues **that served over 10000 requests from more than 800 unique users without slowdowns or outages**

SKILLS

- Intermediate knowledge of **C++, C, HTML/CSS, SQL Server, relational database design**
- Beginner knowledge of **Ruby, PHP, Swift, Javascript**
- Experience with **Agile/Scrum development, with modeling and simulation with Python, git, Heroku, Flask, Python, GitHub, Xcode, Jekyll, Apache web server, nginx**