

Gabriel E. Rodríguez García

in/gabriel-e-rodriguez-garcia | gabriel.rodriguez87@upr.edu | (787) 697-1121

EDUCATION:

Bachelor of Computer Science
University of Puerto Rico at Bayamón

Graduation date: December 2023
GPA: 3.34/4.0

EXPERIENCE:

Software Developer, Pratt & Whitney Intern **May 2022 – July 2022**

- Transferred company's large-scale **Oracle** legacy database to modern **MySQL** database, enhancing query efficiency.
- Conducted data cleanup to optimize database performance.

Software Developer, Pratt & Whitney Intern **May 2021 – July 2021**

- Developed user management pages using **C#** and **JavaScript** for in-house software.
- Implemented algorithms for data validation and cleaning using **Telerik** unit testing.

Programming Tutor, UPR-Bayamon Tutor **August 2020 – May 2022**

- Tutored students in introductory programming courses that included algorithms and development using **Java** and **Python**.
- Facilitated remote learning and addressed challenging areas.

PROJECTS:

CareBeat **August 2023 – December 2023**

- Developed as mini-thesis graduation project, a **full-stack** application aimed at assisting nursing homes and caretakers in monitoring patients' medication intake.
- Designed and implemented a system with detailed analytics dashboards for multiple medications and comprehensive medication reports aimed at doctors to enhance patient diagnosis.
- Utilized technologies such as **Python Flask**, **MySQL**, **HTML**, **CSS**, **Bootstrap**, and **JavaScript**.
- Successfully gathered and analyzed over 4000 entries of medication intake data, significantly improving the accuracy and depth of the provided reports.

Treedle **July 2023 – August 2023**

- Created a recreation of Wordle as a mobile application using **C#'s** framework **.NET MAUI**.
- Captured a random 5 letter word from a **RESTful API** to display for user.
- Used **MVVC** method to facilitate customization of distinct objects within game.

LEADERSHIP:

Computer Science Student Association, AECC **August 2018 – August 2023**

President (August 2022 - July 2023)

- Managed logistics for activities, including Career Week which included 10 professional and personal growth activities in a 5-day span with over 5 well-known companies and Federal Government Agencies as guides and sponsors.
- Increased the number of members from 46 to 78 students.

Vocal (August 2020 – July 2022)

- Helped board in planning activities for professional and personal growth.
- Volunteered to tutor students in programming subjects.

AWARDS:

XIX Interuniversity Programming Competition – Fourth Place **April 2022**

- Competed against 18 groups of students at an expert level with a time limit of three hours.
- Solved complex programming exercises using **Java** and different programming techniques to result in the best algorithmic complexity.

Best Technical Prize at COVID-19 Puerto Rico IDEATHON **January 2021**

- Developed with a team a solution to bring the Puerto Rican economy into the spotlight by creating a program to help locals and tourists alike find local businesses across the island.
- Presented a 5-minute pitch in front of a live audience that included the prototype and the business model of the application.

TECHNICAL / NON-TECHNICAL SKILLS:

- Languages: Native in Spanish and fluent in English
- IDE'S: Eclipse, VS Code, Visual Studio 2022, Spyder
- Programming Languages and Technologies: Java, Oracle SQL, MySQL, Python, C#, JavaScript
- Continuous integration and development: Git, GitHub