

Jose Pablo Bonilla

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EDUCATION

Holberton School - San Juan Campus

San Juan, PR

Software Engineer - Foundations

January 2021 - March 2022

- Completed a 9-month program focused on the foundations of computer science and software engineering, including low-level programming & algorithms, high-level programming & databases, and system engineering & networking.
- Relevant projects: AirBnB Clone, Not So Simple Shell, Printf, Search Algorithms.
- Relevant topics: Stacks and Queues (monty), Binary Trees, Linked Lists.

Pontifical Catholic University of Puerto Rico – Ponce Campus

Ponce, PR

Bachelors of Science in Biology

August 2014 – May 2018

- Graduated from an ample curriculum that empowers students to perform scientific research, be educators and professionals in the fields related to the disciplines, and perform graduate studies.

Pennsylvania State University - Greater Allegheny Campus

Bachelors of Science in Biology

August 2012 - May 2014

- Started my bachelor's while being a student-athlete. During these two years I was part of the baseball team. In my sophomore year I won the student-athlete of the year award because of my great performance on the field while also having good grades.

WORK EXPERIENCE

Ace Ponce - Hardware Store

Ponce, PR

Sales associate / Merchandiser

August 2015 - August 2018

- Eager for knowledge, I started learning all departments and was mostly a sales associate because of the knowledge I had learned on the job. Wherever help was needed, I was there.

PROJECTS

Little Holby

Discord Administrative Assistant

March 2022

- Developed a discord bot that is meant to make the experience between the school's staff and the students smoother.
- It has a ticket feature, when students request a ticket for help every staff member gets the notification so the student can get help faster instead of messaging them one by one. When they get help the conversation gets logged into a .txt file and student tutors can have proof of their help.

AirBnB Clone

A replica of AirBnB built with Python and MySQL on a Nginx server

August 2021

- Built a command interpreter to manipulate data without a visual interface, like in a Shell, which helps for development and debugging.
- Implemented two options for back-end storage engines: ORM with SQL and File System with JSON.
- Completed a website for the front-end, which shows both static and dynamic content.
- Integrated an API that provides a communication interface between the front-end and the data from the back-end.

Not So Simple Shell

A replica of Shell built in C

April 2021

- Developed a command interpreter that works like Shell, with the use of system calls.
- Implemented signal handling and two modes of usage: interactive and non-interactive.

SKILLS & INTERESTS

- **Languages:** Spanish (native) and English (fluent)
- **Programming Languages:** C, Python, Bash, MySQL, JavaScript
- **Tools:** Git, Vim, Shell, Vagrant, VirtualBox, Linux
- **Skills:** autodidactic, public speaking, problem solving, interpersonal communication, teaching, technical writing