

Rolando Roques

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EDUCATION

Holberton School

San Juan, Puerto Rico

Software Engineer - Foundations

February 2021 - present

- Currently in month 7 of 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 and Search Algorithms

University of Puerto Rico – Mayaguez Campus

Mayaguez, PR

Bachelor of agriculture economics

August 2012 – May 2018

- Graduated from an ample curriculum that covers farm loans, financial planning, real time crop cost

WORK EXPERIENCE

Census2020

Mayaguez, Puerto Rico

IT clerk

February 2020 – November 2020

- Coordinate the use and distribute of census equipment like laptops, iphones and tablets
- Provided daily assistance with tech problems like forgotten password, device malfunction, apps not working properly, connection issues
- Prepare daily reports of all activities of assistance and/or distribution of equipment and maintain inventory a weekly inventory count

Delos startup

San Juan, Puerto Rico

CFO

August 2019 - January 2020

- Prepare daily financial reports
- Prepare monthly reports and presentation of our average cost and financial projections for the next coming months

PROJECTS

AirBnB Clone

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

October 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

June 2020

- Developed a command interpreter that works like Shell, with the use of system calls and zero memory leaks

- Implemented signal handling and two modes of usage: interactive and non-interactive

SKILLS & INTERESTS

- **Languages:** Spanish and English
- **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