

Andres Morales

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EDUCATION

Holberton School

San Juan, Puerto Rico

Software Engineer - Foundations

January 2021 - present

- Graduated from 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
- Accolades: Student Tutor / Assistant to the Software Engineer
- Relevant projects: AirBnB Clone, Not So Simple Shell, Printf and Search Algorithms

Interamerican university of Puerto Rico Metropolitan Campus

Cupey, PR

Bachelor of Computer Science

August 2014 – May 2017

- The curriculum was with an emphasis on theories of programming, which has been helpful in understanding terminology and abstract ideas.

WORK EXPERIENCE

Holberton School, Software Engineering School

San Juan, Puerto Rico

Student Tutor

August 2021 - present

- Helped students to understand key concepts of the curriculum by demonstrating with coding sessions, whiteboarding and guiding them through resource materials
- Provided assistance to the school campus including, but not limited to, setting up computers, configurations, and coordinating with other student tutors to assist the Lead Instructor with daily operations
- Developed relationships with students to foster better communication and address individual needs
- Attended weekly meetings with the Education Lead / Software Engineer to report student progress and provide feedback to bridge the gap between staff and students

Cometa Works

San Juan, Puerto Rico

Intern

July 2016

- Learned how to follow an Agile workflow.
- Was given basic duties such as preparing a manual for their coding with community initiative

PROJECTS

AirBnB Clone

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

August 2021

- Built a command line interpreter that manipulates data to expedite development and debugging for my teammates and myself
- Implemented two options for back-end storage engines: ORM with SQL and File System with JSON
- Implemented a website that communicated via API with our back-end to allow users the ability to register, login, and search with filtering places in our database so that a user can find their perfect stay
- Integrated an API that allows for CRUD (Create, Read, Update, Delete) using POST, GET, PUT, DELETE http methods respectively

Not So Simple Shell

A 'simple' UNIX command interpreter

May 2021

- Developed a command line interpreter that works like Shell with a teammate, using system calls and with 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, JavaScript, Ruby
- **Tools:** Git, Vim, Bash, Nginx, MySQL, VS Code, Apache, Puppet
- **Skills:** autodidactic, public speaking, mathematical aptitude, problem solving, interpersonal communication, teaching, technical writing