

# Luis Obregon

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(510) 857-6109 | San Juan, PR

## EDUCATION

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### Holberton School

San Juan, Puerto Rico

*Software Engineer - Foundations*

June 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
- Relevant projects: AirBnB Clone, Not So Simple Shell, Printf, Monty and Search Algorithms

### Design Tech High School

Redwood City, California

*High School Graduate*

August 2016 – June 2020

- Graduated from an innovative school that focuses on Design Thinking and creative problem solving

## WORK EXPERIENCE

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### 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
- Weekly meetings with the Education Software Engineer to report student progress and provide feedback to bridge the gap between staff and students

### Center for Design Thinking and Innovation in Education (CDTIE), Nonprofit organization

Bayamon, Puerto Rico

*Cofounder and Program Leader*

July 2018 - Present

- Led groups and mentored new incoming Program Leaders
- Create and provide curriculum and workshops to educators
  - Providing a positive and interactive educational environment

## PROJECTS

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### AirBnB Clone

- *A replica of AirBnB built with Python and MySQL on a Nginx server* November 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* August 2021
- 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

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- **Languages:** Fluent in Spanish and English
- **Programming Languages:** C, Python, Bash, MySQL, JavaScript, REACT.js
- **Tools:** Git, Vim, NVim, Shell, Vagrant, VirtualBox, Linux, Nginx, Docker, VsCode
- **Skills:** public speaking, Team Work, Innovative, Empathetic, Creative problem solving, Leadership, Teaching, Time Management, Agile