

# Xavier E Figueroa Muñiz

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## EDUCATION

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### Holberton School

*Software Engineer - Foundations*

San Juan, Puerto Rico

September 2020 - 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 and Search Algorithms

### Interamerican University of Puerto Rico – Aguadilla Campus

*Bachelors Degree in Computer Sciences*

Aguadilla, PR

August 2015 – June 2021

- Graduated from an ample curriculum that covers a wide area in Computer Sciences which includes (but is not limited to) software development, software engineering, data structure and algorithms, project management, etc.

### Polytechnic University of Puerto Rico

*Studies in Computer Sciences*

Aguadilla, PR

August 2014 – June 2015

- Completed coursework towards a bachelor's in mechanical engineering/computer sciences.

### University of Puerto Rico – Mayagüez Campus

*Studies in Mechanical Engineering*

Aguadilla, PR

August 2012 – June 2014

- Completed coursework towards a bachelor's in mechanical engineering

## WORK EXPERIENCE

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### Popular Inc. – Popular Bank

*Telephone Banking Consultant*

San Juan, Puerto Rico

October 2018 – August 2020

- Confer with customers by telephone or in person to provide information about products or services, take or enter orders, cancel accounts, or obtain details of complaints.
- Keep records of customer interactions or transactions, recording details of inquiries, complaints, or comments, as well as actions taken.
- Complete contract forms, prepare change of address records, or issue service discontinuance orders, using computers.

### Sears Holdings

*Checkout Supervisor*

San Juan, Puerto Rico

September 2015 - October 2018

- Direct and supervise employees engaged in sales, inventory-taking, reconciling cash receipts, or in performing services for customers.
- Monitor sales activities to ensure that customers receive satisfactory service and quality goods.
- Enforce safety, health, and security rules.

## PROJECTS

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### AirBnB Clone

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

May 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*

December 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

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- **Languages:** Fully Bilingual in Spanish and English
- **Programming Languages:** C, Python, Java, Bash/Shell, MySQL, JavaScript, HTML, CSS
- **Tools:** Git, Vim, Nvim, Vagrant, VirtualBox, Linux, Nginx, Visual Studio, Apache Netbeans, Emacs
- **Skills:** autodidactic, public speaking, mathematical aptitude, problem solving, interpersonal communication, technical writing.
- **Citizenship:** U.S. Citizen