

# Gustavo J. Hornedo

gustavo.hornedo@gmail.com ♦ (787) 688-2162 ♦ <https://github.com/lord-gusarov>

## EDUCATION

### Holberton School

*Software Engineering – Foundations*

San Juan, Puerto Rico  
September 2020 - June 2021

- 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, web development, and system engineering & networking
- Relevant Projects: AirBnB Clone, Not So Simple Shell, printf, and Search Algorithm among others
- GPA: 145/200; Ranked #1 in the class
- Accolades: Lead Student Tutor – second in command for education guidance

### U.S. Army Aviation Center of Excellence

*UH-60/CH-47 Helicopter electrician 15F10*

Fort Eustis, Virginia  
May 2013 – August 2013

- GPA: 99/100
- Accolades: Distinguished Graduate, 128<sup>th</sup> Brigade Coin of Excellence

### University of Puerto Rico – Mayagüez Campus

*Computer Engineering*

Mayagüez, Puerto Rico  
August 2010 – December 2012

- Credit hours completed: 96 hours
- Relevant Coursework: Data structures, Advanced Programming, Structure and Properties of Programming Languages, Logic Circuits, Calculus I – III, Engineering Applied Mechanics

## WORK EXPERIENCE

### Holberton School, Software Engineering School

*Lead Student Tutor*

San Juan, Puerto Rico  
November 2020 - present

- Helped students on a daily basis to understand key concepts of the curriculum by whiteboarding, live coding events and guiding students through resource materials
- Provided IT assistance to the School campus including, but not limited to, configuring a Wi-Fi mesh network, wiping computers, 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 Education Lead/ Software Engineer to report student progress and provide feedback to bridge the gap between staff and students

### Puerto Rico Army National Guard

*Aircraft Electrician (MOS 15-F)*

San Juan, Puerto Rico  
December 2012 - December 2018

- Troubleshoot, diagnosed, repaired, and provided preventive maintenance to the electrical systems of the Sikorsky UH-60 helicopter and its nickel-cadmium batteries
- Maintained facilities for storage of flammable and hazardous materials following DEPO and Unit level SOPs for classification, handling, and disposal

## SOME PROJECTS

### Clock-In

<https://github.com/angel19951/clock-in>

*Job Hunting and Job Posting website hosted on AWS Lightsail, served by NGINX and managed with Python's Flask* June 2021

- Designed and implemented backend RESTful API for communication and data retrieval between our front-end and our database. Ajax used for making the requests and jQuery to display the search results without reloading the whole page
- Implemented and deployed dynamic page rendering using Jinja2 in order to populate the page with user specific data

### AirBnB Clone

[https://github.com/lord-gusarov/AirBnB\\_clone\\_v3](https://github.com/lord-gusarov/AirBnB_clone_v3)

*Built an AirBnB replica using Python, MySQL, HTML, CSS, JavaScript and Flask on an Nginx server*

May 2021

- Wrote a CRUD command interpreter with two options for back-end storage engines; ORM with SQL or File System with JSON
- Developed Fabric scripts for configuring and deploying a load balancer with multiple application servers enabling new server configuration, automatic versioning, and deployment to ensure zero down-time in the event of a catastrophic failure, and optimized latency during normal operations

### Not So Simple Shell

[https://github.com/lord-gusarov/simple\\_shell](https://github.com/lord-gusarov/simple_shell)

*A shell replica built in C*

December 2020

- Designed and developed a shell with system calls, and zero memory leaks that could accept input from multiple commands with signal handling

## SKILLS & INTERESTS

- **Programming Languages:** C, Python, Bash, SQL, JavaScript
- **Languages:** Spanish (Native Speaker), English (Fluent)
- **Tools:** Git, Vim, Vagrant, VirtualBox, Linux, Valgrind, Nginx, AWS Lightsail, Puppet, Fabric, MySQL, Flask
- **Skills:** Problem solving, mathematical aptitude, self-development, autodidacticism, debugging, troubleshooting, memory management, Test Driven Development (TDD), OOP, unit testing