

Gustavo J. Hornedo

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<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, 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, 128th 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

PROJECTS

AirBnB Clone – 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
- Collaborated with different students at each stage of development, assigned tasks coordinated tasks and times for meeting and working together

Not So 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
- Created a flowchart detailing the execution process, and presented in a mock interview to lead instructor

SKILLS & INTERESTS

- **Languages:** C, Python, Bash, MySQL, JavaScript
- **Tools:** Git, Vim, Shell, Vagrant, VirtualBox, Linux, Valgrind, Nginx, Puppet, Fabric
- **Skills:** Problem solving, mathematical aptitude, self-development, autodidacticism, debugging, troubleshooting, memory management, Test Driven Development