

# Gustavo J. Hornedo

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## SKILLS & INTEREST

- **Programming Languages:** Python, JavaScript, C, Bash, SQL      **Languages:** Spanish (Native Speaker), English (Fluent)
- **Frameworks:** React, Django      **Tools:** Git, Vim, Docker, Kubernetes, VirtualBox, Linux, Valgrind, Fabric, MySQL
- **Skills:** Problem solving, mathematical aptitude, self-development, autodidacticism, memory management, Test Driven Development (TDD), OOP, unit testing      **Learning:** Terraform, Datadog

## EDUCATION

### Holberton School

San Juan, Puerto Rico

*Software Engineering – Foundations*

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 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

Fort Eustis, Virginia

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

May 2013 – August 2013

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

### University of Puerto Rico – Mayagüez Campus

Mayagüez, Puerto Rico

*Computer Engineering*

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

### Cultivate, AI-Powered Coaching Platform

(remote) San Francisco, California

*Software Engineer - React & Django*

July 2021 - present

- Wrote handler functions & templates for emails and Slack & Teams bots notifications with user specific data being fetched through RESTful APIs and setting cache key locks
- Provided front-end support to the AI/Data team when adding new features, toggling features based on user flags, logged every user interaction and fed back to their models the Like/Dislike and Accurates/Inaccurate feedback from the users.
- Implemented localization (i18n) through the app while continuously adding and updating unit-tests and integration tests
- Monitored and triaged daily the resources, instances, errors and alerts.

### Holberton School, Software Engineering School

San Juan, Puerto Rico

*Lead Student Tutor*

November 2020 - August 2021

- 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

### Boys and Girls Club, Las Marias

San Juan, Puerto Rico

Activity Leader, Programming Summer Camp for High School students

June 28, 2021 - July 9, 2021

### Puerto Rico Army National Guard

San Juan, Puerto Rico

*Aircraft Electrician (MOS 15-F)*

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

## 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 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 JSON File System
- 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

### 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