

Gabriel A. Viera Pérez

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EDUCATION

University of Puerto Rico – Mayagüez Campus	Expected Grad: May. 2026
<ul style="list-style-type: none">Bachelor of Science, Software EngineeringCurriculum: Intro to Programming, Adv. Programming, Data Structures, Algorithms, Intro to Software Development	GPA: 3.61
Google - Tech Exchange Program - Mountain View, CA	
<ul style="list-style-type: none">Completed accredited coursework and received direct mentorship from GooglersCurriculum: Applied Data Structures & Algorithms, Careers in Tech	

WORK EXPERIENCE

STEP Intern - Cloud Abuse	May. 2023 – Aug. 2023
Google	Sunnyvale, CA
<ul style="list-style-type: none">Provided a mechanism to programmatically identify Google Compute Engine URLs and enforce against malicious VMs.Deployed C++ services to retrieve WHOIS records of IPs, facilitating the filtering of those associated with Google Cloud infrastructure.Developed Golang scripts on Google's primary anti-abuse platform to detect and address violations of the terms of service of GCE by abusive actors.	
STEP Intern - External Schema Driven Configurable Proxies	May. 2022 – Aug. 2022
Google	Sunnyvale, CA
<ul style="list-style-type: none">A configurable proxy provides a light-weight cloud native API gateway experience where customers provide a declarative configuration file which is used to set up everything for them.Designed and Implemented features to the runtime component of a configurable proxy so that customers could provide an Open-API schema which can then be used to do http request validation using the go programming language.	
CAHSI Webmaster	Jan. 2022 - May. 2022
University of Puerto Rico - Mayagüez	Mayagüez, PR
<ul style="list-style-type: none">Developed 3 websites for events sponsored by CAHSI using JavaScript, Wix, and Figma.	

RESEARCH EXPERIENCE

Undergraduate researcher, PandaHat Cyber Security Group	Aug. 2021 – Dec. 2023
University of Puerto Rico, Mayaguez, PR – Dr. Nayda Santiago	Mayagüez, PR
<ul style="list-style-type: none">Exploiting a smart plug using mobile application reversing, native library analysis and network traffic capturing techniques with JADX, Wireshark and Binary Ninja.Researching and implementing the steps and techniques in order to be followed to effectively pentest an IoT device.	

VOLUNTEERING

Mentor in CAHSI Game Studios	Aug. 2023 – Current
University of Puerto Rico - Mayagüez	Mayagüez, PR
<ul style="list-style-type: none">Teaching fundamental concepts of Game Development to UPRM students.Organizing and hosting Game Jams to promote hands-on learning and collaboration among UPRM students interested in game development.	
Mentor in Advance Programming Laboratory	Aug. 2022 – Aug. 2023
University of Puerto Rico - Mayagüez	Mayagüez, PR
<ul style="list-style-type: none">Helping about 20 students to understand better OOP and coding problems to be solved in the Advance Programming class.	

PROJECTS

Personal Portfolio - Developed my personal web page using React .
Tutoring App - Led a team of 9 people in enhancing a tutoring app with new features using React Native and Supabase .
The Conway's game of life in JavaScript - Developed the Conway's game of life using HTML Canvas Graphics and JavaScript .
The Copy Cam - Developed a puzzle 3D videogame using GDScript and Godot .
Rocky - Developed Rocky's game. Rocky is a endless runner game made using C# and Godot .

SKILLS & INTERESTS

- Programming Languages:** Python, C++, JavaScript (HTML + CSS), GO, C#, Java, GDScript
- Software:** Linux, Git, Github, React, React Native, Godot, Unity, Supabase
- Interests:** Software Engineering, CyberSecurity, Game Development, Backend, Frontend
- Languages:** Spanish, English