ITALO AMAYA

Computer Science Student

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🔗 https://www.linkedin.com/in/italo-amaya-194167264// 🎂 8 September 2003

"I am an aspiring cybersecurity researcher driven by passion and interest in the cybersecurity field. My passion allows me to quickly learn new topics and develop solutions for any problem I encounter."

PROJECTS

Online Version of Black Jack with rust

Personal

📅 June 5 - June 10 2022 📍 Leeds, UK

- Developing Async procedures to handle 2 TCP connections with threads.
- Administrating concurrent memory of 2 threads using Rust Atomic Types for shared memory.
- Practiced basic Networking concepts

Async | Software Development | Rust | Concurrent memory | Networking

NAS Server on a Raspberry Pi

Personal

📅 Jan 2023 - Feb 2023 📍 Leeds UK

- Operating a Open Media Vault with more than 3 Docker services.
- Implementing one Cloudflare tunnel to get remote connection to the home server from the internet.

Docker | Containers | Cloudflare | Networking

Encryption Appication

Personal

📅 Aug 2023 - Sept 2023 📍 Leeds UK

- Implementing a stream encryption algorithm to handle large files in 500 bytes sequences (chacha20poly1305).
- Implemented robust encryption protocol using a 64-byte key, comprising a 32-byte salt and a 32-byte password-derived key, ensuring enhanced data security.
- Learned 2 Cryptographic concepts known as hashing and salting that helped be ensure the security of the application.
- Implemented a Symmetric Encryption Algorithm with quantum-safe properties, ensuring data security and resilience against emerging threats.
- Applied Version control (git) and shared the source code on github (https://github.com/italoaa/seguro/).

Cryptography | Rust | Hashing | UX | UI

VOLUNTEERING

Event Secretary for University of Leeds Salsa Society

University of Leeds

📅 June 2023 - Ongoing 📍 Leeds, UK

- Managing and Organizing 2 big Events for the Society in the year.
- Collaborated with the other 6 committee members to lead the society.

Communication | Event Organizing | Team Work | Leadership

SKILLS

Python | C | Rust | Java | Splunk | Wireshark | Git/GitHub

English | Spanish

EDUCATION

Bsc in Computer Science and Artificial Intelligence
University of Leeds

📅 September 2022 - Ongoing

- Achieved First Class in the whole yeargroup for year one.
- Worked on HACK architecture using Assembly.
- Became proficient in SQL and database Normalization.
- Gained an understanding of Linux and C programming with makefiles.
- Acquired knowledge of Discrete Mathematics and Algorithms.

Google Cybersecurity Professional Certificate
Coursera

📅 June 2023 - August 2023

- Got 96.76% as the Final Grade
- Reviewed the Eight Security Domains of the CISSP
- Focused on Cybersecurity Frameworks like the NIST.
- Grasped concepts of Incident Response like SIEM tools, Logs and Network Monitoring.