



ITALO AMAYA (ITALIAN)

Computer Science Student

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 8 September 2003

 Leeds, UK

 italoaa




"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."

EDUCATION

Bsc in Computer Science and Artificial Intelligence (4.0 GPA)

University of Leeds

 September 2022 - Ongoing

 Leeds UK

- Achieved a 4.0 GPA in 1st, 2nd and 3rd semesters.
- Worked on HACK architecture using Assembly.
- Became proficient in SQL and database Normalization Design.
- Gained a deep understanding of Linux and C programming including makefiles.
- Acquired knowledge of Discrete Mathematics and Algorithms.
- Proficient on Programming paradigms such as Dynamic programming, Greedy algorithms and Divide and Conquer.

Google Cybersecurity Professional Certificate

Coursera

 June 2023 - August 2023

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

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

PROJECTS

Encryption Application

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/seguero/>).

Cryptography

Rust

Hashing

UX

UI

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