



# 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."*

## 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/seguero/>).

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

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Python

C

Rust

Java

Splunk

Wireshark

Git/GitHub

English

Spanish

# EDUCATION

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## Bsc in Computer Science and Artificial Intelligence

### University of Leeds

📅 September 2022 - Ongoing

📍 Leeds UK

- 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.
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## 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.