

LUCIANO P.

Software Engineer

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EDUCATION

Bachelor of Computer Science

University of Central Florida

2024-2026

TECHNOLOGIES

Github

C

C++

Docker

Rust

Typescript

LANGUAGE

English

Spanish

Project Experience

University of Central Florida, Orlando

Bloomberg Tech Lab on Campus

- One of 40 students selected to collaborate with Bloomberg engineers in a small group setting to build an application using RabbitMQ and Docker.
- Utilized Python to design and implement a robust message queue system using RabbitMQ, enhancing real-time data processing and communication between producer and consumer components.
- Developed a deeper understand of core Python/CS concepts (Classes, Inheritance, OOP), as well as financial domain knowledge (Tickers, Industry Sectors).

Solo developer

Torrent Client

- Implemented a torrent client using Rust, TPC sockets, and an async architecture to make data transfer between more than 100 of peers simultaneously possible.
- Implemented system abstractions using Rust's standard library to enable cross-platform interoperability (Windows, Linux, macOS) for client and server communications.
- Created a parser and decoder, successfully decoding bencoded data, a type of data that uses binary encoding to store and transmit data, to interpret torrent files and peer messages.

Lead developer in team of 4

Chat Web App

- Built a highly responsive web chat application using Next.js and Tailwind CSS to create a modern, scalable user interface that provides a seamless real-time messaging experience.
- Designed and implemented a PostgreSQL database to efficiently store chat messages and user data, resulting in enhanced data scalability and reliable data management.

Certifications

Mircrosoft

- Network Fundamentals
- Cloud Fundamentals
- Mobility and Device Fundamentals
- Security fundamentals

CompTIA

- CompTIA ITF+