

# Tarik Castro de Oliveira

tarik.castro.o@gmail.com | (813) 606-1101 | [LinkedIn](#) | [Github](#) | [Portfolio](#)

## EDUCATION

University of South Florida

B.S. in Computer Science - GPA: 4.00 / 4.00

Tampa, Florida

Expected Graduation, May 2028

## EXPERIENCE

BRASA Connect

Tampa, Florida

Tech Specialist & Full-Stack Developer

Jul 2025 - present

- Tech developer and coordinator for BRASA Connect, the **largest Brazilian student-led conference** in Florida, bringing together over **350 participants, mentors, and speakers**.
- Design, develop, and maintain the official BRASA Connect conference **website** using **React.js**, **Node.js**, and **Firebase** for data storage - ensuring an efficient user experience for attendees and organizers.
- Build and deploy the BRASA Connect **mobile application** using **Flutter** and **Dart programming language**, integrating event schedules, mentorship application platform, and enhancing **NFC cards** functionality to connect participants - resulting in **+2000 connections**.
- Create a real-time **messaging system** integrated with **WhatsApp API** through **Node.js**, enabling team members to directly contact mentees, enhancing communication and logistical errors during the conference.

## PROJECTS

Portfolio Web Application

Tampa, Florida

Program Developer

Jul 2025

- Designed and developed a responsive personal portfolio using **React.js** and **Tailwind CSS**, highlighting skills in **web development**, **UI/UX design**, and modern **frontend frameworks**.
- Implemented dynamic components to fit all screen sizes and **optimized** performance and styling workflows, demonstrating proficiency in **JavaScript**, **component architecture**, and **responsive design principles**.

Free Food Newsletter

Tampa, Florida

Program Developer

Sept 2024

- Collaborated with peers to develop a **Python** script to automatically **scrape** event data from the University of South Florida website and leveraged **AI** to identify events offering free food, **improving event accessibility** for students.
- Scraped data from **40+ events**, designing and implementing a subscription-based newsletter system that integrates **Selenium** for **web automation**, **AI-powered text analysis (OpenAI & Perplexity APIs)**, and **.env-based API key** management, enhancing usability, scalability, and event discovery efficiency.

Viable Energy Blockchain Research

Curitiba, Paraná, Brazil

Blockchain Researcher & Developer

May 2023 – Nov 2023

- Researched and investigated the role of **Blockchain** and **P2P networks** in energy microgrids, authoring a **20+ page** academic paper that explores decentralized energy transfer, renewable energy integration, and smart contracts.
- Programmed a functional **blockchain prototype** using **TypeScript**, simulating peer-to-peer energy transactions, reducing reliance on centralized suppliers and resulting in an **improvement of 10-15%** in energy distribution efficiency.

Geography Trivia Web Application

Curitiba, Paraná, Brazil

Front-End & Back-End Developer

May 2023 – Aug 2023

- Designed and developed a geography quiz web application to engage **150+ children and students**, significantly helping them **improve geographical knowledge** and **critical thinking skills** through an interactive, game-based approach.
- Engineered and implemented the application using **Django (with Python)** for the backend and **HTML/CSS** for the front end, leveraging **Django's ORM** for seamless **database integration** and **data management**.
- Communicated technical insights by authoring a **30+ page** report, providing an in-depth analysis of the application's purpose, user needs, and code structure, serving as a **foundational blueprint** for future development and **scalability**.

## ACTIVITIES AND LEADERSHIP

University of South Florida

Tampa, Florida

Brazilian Student Association (**Professional Development Analyst**);

Jul 2025 - present

Association for Computer Machinery (**Project Member**);

Jan 2025 – May 2025

## SKILLS

**Programming & Tools:** Python, JavaScript, React.js, Typescript, Django, SQL, Tailwind CSS, HTML/CSS, Node.js, Flutter, Dart.

**Languages:** Portuguese (Native), English (Fluent), and Spanish (Beginner).