

Marcos Paulo Santos da Silva

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Focused undergraduate student in search of an internship in software engineering or cybersecurity. Hard worker, creative, and motivated to discover and improve new ways to see IT, with a passion for innovation and problem-solving.

EDUCATION

Federal Center for Technological Education of Minas Gerais (Minas Gerais, Brazil)

Expected December 2026

Bachelor of Science in Computer Engineering GPA: 3.6

- Honorable mention in the first phase of the ICPC (International Collegiate Programming Contest) South America/Brazil.

Northern Virginia Community College (Virginia, United States of America)

August 2023 - May 2024

Career Studies Certificate in Cybersecurity GPA: 4.0

- Awarded with the Community College Initiative Program Scholarship, sponsored by the U.S. Department of State.
- Recognized for academic excellence by being placed on the Dean's List and the President's List.
- Honorable mention in the first phase of the ICPC (International Collegiate Programming Contest) South America/Brazil.

SKILLS

PROGRAMMING LANGUAGES

Python, C++, C, Java, JavaScript

TECHNOLOGIES

Kali Linux, HTML, CSS, Git, Django, Burp Suite, NMAP, SQLMap, Owasp ZAP, Wireshark, Metasploit.

LANGUAGES

Portuguese - Native/Fluent
English - Advanced
Spanish - Basic

WORK EXPERIENCE

Trustworthy Cyberspace Lab (tClab) - Virginia Tech

Fairfax, Virginia, United States of America

Research Assistant, Intern

October 2023 - September 2024

- First author of a paper titled "SoK: Systematic Understanding of Multidisciplinary Approaches to Cybergrooming", submitted to the Usenix Conference 2025.
- Wrote a literature review summarizing almost 39 papers about combating cybergrooming.
- Collecting data sets and source codes to compose material for future lab research.

C4I & Cyber Center - George Mason University

Fairfax, Virginia, United States of America

Research Assistant, Intern

November 2023 - February 2024

- Part-time intern at C4I and Cyber Center at George Mason University.
- Researching and developing an application to simulate and analyze drone communications.

LEVTY

Belo Horizonte, Minas Gerais, Brazil

Software Engineer Intern

May 2023 - June 2023

- Developed BPM, ECM, CRM, and Analytics applications using the SYDLE ONE platform.
- Learned and used the knowledge of Scrum to work faster, better, and more organized.

PIIM-LAB - CEFET-MG

Belo Horizonte, Minas Gerais, Brazil

Web Developer Intern

March 2022 - April 2023

- Full-stack development of a web platform for online essay correction for federal network teachers.
- Implementation of platform improvements and creation of additional pages for file attachment and student registration
- Creation of dynamic spreadsheets for viewing grades directly from the database.
- Technologies: Python, Django, JavaScript, HTML, CSS.

EXTENSION EXPERIENCE

CyberForce NOVA

February 2024 – Present

Founder & President

- Founded and served as president of CyberForce NOVA, an official cybersecurity student club at NOVA.
- Managed the club and organized events such as workshops and seminars on campus.
- Utilized our Instagram platform to disseminate cybersecurity insights, raising awareness among our audience.

Enxurrada de Bits

August 2021 – August 2022

Robotics Teacher

- Assisted and instructed approximately 80 students from public schools in Brazil in understanding specific topics about robotics, such as electrical circuits, digital systems, and programming.
- Developed materials, classes, and recorded sessions for the students. Also, created and graded weekly assignments.

COMPET

May 2021 – December 2022

Events Team Scrum

- Responsible for administering and managing the demands and activities of the team, as the organization of several events of the PET group.
- Managed a podcast called “Fala Compet!” and a monthly webinar series titled “Compet Talks”.
- Conducted interviews with various influential individuals, including an esteemed astrophysicist, a forensic federal police expert, and representatives from enterprises, among others.
- Directed the organization of an international hackathon, known as Casthlethon 4.0, in partnership with IPB (Polytechnic Institute of Bragança), CEFET-RJ, and CEFET-MG, involving 133 participants and offering prizes exceeding €1,000.

GEDAI – Intercampus Astronomy Study and Dissemination Group of CEFET-MG

July 2020 – December 2020

Extension Scholar

- Managed dissemination of astronomy news via GEDAI's official channels.
- Created a free online course that explains physics and astronomy, utilizing the Algodoo digital platform, which was also featured in several online newspapers.

VOLUNTEERING EXPERIENCE

Data Center World Conference

- Volunteer at one of the largest data center conferences in the world, in Washington D.C.
- Helped participants by answering questions they might have about the event, demonstrating proficiency in English.
- Directed participants to conferences, opening sessions, and Expo Hall.

White House

- Volunteered in two events hosted by the White House & President's Park: the 2023 Fall Garden Tours and the 2024 Easter Egg Roll.
- Greeted the guests, assisted them with their tickets, provided information about the event and the White House, and even offered insights about museums in Washington D.C.