

F. MARLON SOUSA

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EDUCATION

São Paulo University (USP) Bachelor of Science (SB); Major: Physics, Minor: Computer Science	<i>2023 - 2027</i>
Faculdade de Administração e Informática Paulista (FIAP) Bachelor of Science in Cyber Security	<i>2020 - 2022</i>
São Paulo University (USP) Information Technology Certification - 9/10 Poli USP	<i>2019 - 2020</i>
E.E Paschoal Carlos Magno High School - 9/10 Leaving Certification; Honours Concentration in Mathematics and Science	<i>2018 - 2019</i>

CERTIFICATIONS

Certified Penetration Testing Professional Qualificação Profissional em Teste de Análise de Vulnerabilidade e Invasão	<i>2021</i>
Certified Threat Intelligence Professional Qualificação Profissional em Inteligencia e Contrainteligencia Cibernetica (Gold University Degree)	<i>2021</i>
Certified Cybersecurity Professional FIAP Qualificação Profissional em Cybersecurity	<i>2020</i>
Certified Information Security Manager FIAP Qualificação Profissional em Gerente de Segurança da Informação	<i>2020</i>

EXPERIENCE

AI/Software Engineer

AI/Software Engineer at Foursys. - 2024 - present

I work with Natural Language Processing (NLP) and Large Language Models (LLMs) to tackle advanced and complex challenges.

Programmer

Systems Programmer at Renovaci Technologic. - 2022 - 2024

Worked as a systems programmer for 2 years, specializing in Python Django, PostgreSQL, and CI/CD (Continuous Integration/Continuous Deployment).

Information Security Consultant

Freelance — 2020 - 2021

Identification and evaluation of potential threats to information security. Analysis of vulnerabilities in systems, networks, and applications. Development of incident response plans.

SKILLS

Programming Languages:

C/C++, Python, C#, Java.

Applied ML:

Matlab(basic), LaTeX, Tensorflow and PyTorch.

Software Engineering:

AWS, Google Cloud, Linux, Git, Docker, PostgreSQL, .NET and Django Framework

Languages:

English (B2 Upper Intermediate), Italian (Intermediate), Chinese (Basic), Portuguese (Fluent).

SELECTED PUBLICATIONS

1. **Marlon S.** (2021) Detecting Gender and Age with Tensorflow. - Researched and developed a model using TensorFlow for gender and age detection, exploring innovative methodologies for accurate identification and classification.
2. **Marlon S.** (2021) Artificial Intelligence Playing Super Mario. - Utilized deep learning, reinforcement learning, and TensorFlow to create an AI-driven system capable of playing Super Mario autonomously.
3. **Marlon S.** (2021) Ramanujan — Number Partitioning Deduced with Deep Learning. - Explored Ramanujan's mathematical theories through the application of deep learning techniques for number partitioning, showcasing innovative approaches to deduce and understand complex number relationships.
4. **Marlon S.** (2021) Sentiment Analysis — Natural Language Processing. - Explored sentiment analysis using natural language processing (NLP) techniques to discern, categorize, and interpret emotions expressed within textual data, highlighting the application's capabilities in understanding sentiments.
5. **Marlon S.** (2020) Applications of Computer Science in Bioengineering. - Explored the utilization of computer science methodologies and technologies in the field of bioengineering, highlighting innovative applications, advancements, and interdisciplinary solutions at the intersection of computing and bioengineering.
6. **Marlon S.** (2020) Detection of Robberies through Neural Networks. - Implemented neural networks for the identification and detection of robbery instances, showcasing an innovative approach to security and threat detection using advanced computational models.