WESLEY MAIA

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https://github.com/WMaia9

EDUCATION

University of Sao Paulo　　　　　　　　　　　Sao Paulo, Brazil
MS in Mathematics, Statistics and Computing Applied to Industry　　2022 - Present
- Advisor: Sergio Adriani David
- Research area: Data Science and Machine Learning
- GPA: 4.00/4.00

University of Sao Paulo　　　　　　　　　　　Sao Paulo, Brazil
MBA in Data Science and Analytics　　　　　　　　2021 - 2022
- Advisor: Cesar Alexandre de Souza
- GPA: 4.00/4.00

University of Sao Paulo　　　　　　　　　　　Sao Paulo, Brazil
BS in in Physics　　　　　　　　　　　　　　2013 - 2017
- Advisor: Jose Roberto Brandão de Oliveira
- Undergraduate Research Project: Improvement of collimator systems for gamma-particle coincidence measurements
- GPA: 3.00/4.00, Rank: *6/28*.

WORK EXPERIENCE

Hand Talk | Data Scientist　　　　　　　　　Jun 2021 - Present
- Conducted Research models for translating text to sign language without using glosses.
- Developed and optimized Sign Language Translation (SLT) models.
- Automated 3D animation processes using generative AI.

PUBLICATIONS

1. **Automatic Sign Language to Text Translation Using Mediapipe and Transformer Architectures**
Wesley F. Maia, António M. Lopes, Sergio A. David.
Neurocomputing - Under Review.

2. **Multi-level Product Category Prediction through Text Classification**
Wesley F. Maia, Francisco Louzada, Angelo Carmignani, et al.
Under Review.

3. **Machine Learning Applied to Estate Pricing for Residential Rentals in Dynamic Urban Markets - the Case of São Paulo City**
Wesley F. Maia, Sergio A. David.
Engineering Analysis with Boundary Elements, 2024.

TEACHING EXPERIENCE

Physics and Computer Science Teacher. | Sao Paulo, Brazil　　Jan 2020 - Jun 2021
- Designed and delivered lessons in Physics, Mathematics, and Computer Science for high school students.
- Introduced students to programming and computational thinking through hands-on coding projects.

Teaching Assistant | Sao Paulo, Brazil　　　February 2017 - December 2019
- Served as an esteemed Assistant to distinguished Professors in the Physics department at the University of Sao Paulo. In this pivotal role, I undertook a multitude of responsibilities that were instrumental in supporting the academic pursuits of both the faculty and students.

Awards

- **Academic Scholarship,** MS University of Sao Paulo Ago 2022
- **Academic Scholarship,** MBA University of Sao Paulo Jan 2021

Skills

Languages: Portuguese, English, Spanish.
Programming: `Python`, `C++`, `MATLAB`, `R`.