

Miguel Silva Taciano

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Computer Engineering degree from Universidade Federal de São Paulo (Unifesp). One year's experience in data analysis and automated testing for Johnson & Johnson. Knowledge in several areas such as data analysis, machine learning, front-end and back-end development, automated testing and embedded systems. Looking for opportunities in areas related to those mentioned above.

Professional Experience

Data Engineer

Johnson & Johnson, São José dos Campos, SP

February 2023–January 2024

- Development and maintenance of an information and services website for use by medical professionals in all Latin American countries. Using regression and integration tests through Cypress and Jenkins, enabling uninterrupted development and delivery of the product.
- Monitoring and classifying of thousands of users across related products, using the Google and Microsoft suite of tools (Power BI, Tag Manager, Analytics, Data Studio), in order to label and categorize usage patterns in order to improve the end-user experience.
- Design of new dashboards, enabling better monitoring and decision-making for the multiple teams involved in the project. As well as the creation of technical documentation for dashboards containing crucial information for the understanding of new consumers of such metrics.

Machine Learning Researcher

Embraer & CNPq, São José dos Campos, SP

May 2022–December 2023

- Study and comparative analysis of puzzle solving methods using machine learning and computer vision approaches. Implementation carried out primarily in Python, PyTorch, OpenCV and NumPy. Continuous research on the subject over the course of years, implementing a novel algorithm not yet present in the literature. Subsequently publishing an article in the field.
- Development of an innovative solution to the manual problem of choosing the quantity and shape of aircraft parts to be baked in an industrial oven, as well as the time and temperature levels to be used during the process.

Academic Background

BSc in Computer Engineering

Universidade Federal de São Paulo (Unifesp) | 2019–2023

São José dos Campos, São Paulo

Skills and Languages

- Fluent English, Intermediate Japanese.
- Python, JavaScript/TypeScript, C/C++, PHP, Java, Rust, Lua, MySQL, PostgreSQL.
- React, Svelte, SCSS, TailwindCSS.
- Code versioning with Git/GitHub.
- Principles such as SOLID, DRY, TDD, Agile, Kanban.