

Vitor dos Santos Silva

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Looking for an internship during Summer 2023 (from 01/07 to 31/08) on Data Science, Robotics and related fields. Remote, on site, or freelancing.

Education

- **Double degree in Multidisciplinary Engineering** **École Centrale de Lille**
Lille, France 2022 – 2024
- **Bachelor in Electrical Engineering** **University of São Paulo**
Position on the admission exam: 10th out of 421. Average grade of 8.0 out of 10. São Paulo, Brazil 2020 – 2025
- **Certificate in Industrial Automation** **Federal Institute of São Paulo**
Technical high school. Average grade of 8.34 out of 10. Suzano, Brazil 2017 – 2020

Languages

- **French:** Advanced - C1 certification (TCF Score 560/699)
- **English:** Advanced - C1 certification (Cambridge FCE Score 186/190)
- **Portuguese:** Native language

Achievements

- **2022**
Tech Fellow excellence program @ Estudiar Foundation. (23 selected from 4285 candidates)
- **2021**
Honorable mention at the international congress SIICUSP. Best research of the section
- **2019**
Brazilian Olympiad of Robotics (1st place)
Mathematics without frontiers (3rd place)
- **2018**
Federal Institute Congress of Science and Culture (3rd place on engineering)
4 published papers awarded with junior scientific research funding
Federal Institute Tournament of Robotics (2nd place)
Brazilian Olympiad of Robotics (3rd place)
Federal Institute Congress of Science and Culture (3rd place on engineering)

Skills

- **Programming:** Python, Jupyter Notebooks, C/C++, Java, Ladder for PLC, Matlab/Simulink, Labview, SQL (currently studying)
- **Soft skills:** Team work, project management, advanced planning and strategic analysis (MOOC Gestion de Projet de Rémi BACHELET)
- **Miscellaneous:** Linux, Raspberry Pi, Matplotlib, Pandas, Docker, git, Kedro, Keras, TensorFlow, PyTorch, OpenCV, Computer Aided Design, 3D Printing, Excel, L^AT_EX

Professional experience

- **Time series analysis and forecasting** **Paris, France**
Helean January 2023 – February 2023
Engineering one-month mandatory internship
Skills acquired: Tools to analyse and forecast time series in a startup scenario. Forecasting with traditional methods (such as ARIMA) and deep learning methods (such as TFT). Amazon Web Services (S3 and EC2).
- **Physics Community Tutor** **New York, USA (Remote)**
Brainly May 2022 – January 2023
Freelancer
Skills acquired: Improvement on the knowledge of physics and related fields.

Research

- **Brain damage evaluation on newborns with artificial intelligence** **Lille, France**
Supervisor: Dr. Slim Hammadi September 2022 – Current
Skills acquired: Electroencephalogram analysis and artificial intelligence model deployment with REST API.
- **Machine learning systems for digital twins of oil production unities** **São Paulo, Brazil**
Supervisor: Dr. Anna Helena Reali Costa December 2020 – December 2022
Skills acquired: Signal processing, artificial intelligence, time series analysis and other Data Science related skills.
- **Hybrid mobile robot control software with image processing** **Suzano, Brazil**
Supervisor: Dr. Vera Lúcia da Silva February 2018 – December 2019
Skills acquired: Mobile robotics, embedded systems, Raspberry Pi, OpenCV, Computer Aided Design and 3D printing.