Bernardo FERREIRA TORRES

Master's student
Artificial Inteligence, Deep Learning, Signal Processing

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EDUCATION

Master M2
ENS Paris-Saclay

Since 2021
Gif-sur-Yvette, France

- **MVA** (Mathematics, Vision and Learning)
- Specialization in Computer Vision, Deep Learning and Signal Processing

Engineering degree
Telecom Paris, Institut Polytechnique de Paris

Since 2020
Palaiseau, France

- Signal Processing and Artificial Intelligence
- Embedded Systems

Overall GPA: 4.0

Bachelor's Degree in Electrical Engineering
Universidade Federal de Minas Gerais

Since 2016
Belo Horizonte, Brazil

- Electrical, Electronics and Computer Engineering

WORK EXPERIENCE

Intern
Radix Engineering and Software

From July 2019 to May 2020
Belo Horizonte, Brazil

- Worked with data science and machine learning with a focus in predictive maintenance and anomaly detection
- Trained and deployed models based on statistical quality control and LSTM networks
- Helped plan the automation of a drill rig
- Worked with agile methodologies

PROJECTS

Head of electronics
Formula SAE UFMG

From 2018 to 2019
Belo Horizonte, Brazil

Formula Student Team from Universidade Federal de Minas Gerais (UFMG)
- Lead a group of 8 people in the design, manufacturing and testing of the electrical and electronics subsystems
- Designed, developed and deployed an embedded data acquisition system
- Managed team's resources and kept direct contact with sponsors

Team member - Telemetry and Data
Formula SAE UFMG

2017 and 2019
Belo Horizonte, Brazil

- Developed a data analysis tool in python
- Designed the team's first telemetry system

SKILLS

Spoken Languages:	Portuguese (native), English (fluent, Cambridge CAE C2), French (fluent), Spanish (B2)
Programming Languages:	Python, C, C++, SQL, SystemVerilog
Software, Platforms:	Git, Linux, LateX, Matlab, Microsoft Azure, Solidworks, Pi System
Frameworks, Libraries	PyTorch, Numpy, Scipy, Pandas, Tensorflow, Keras, Scikit-Learn, Qt