



André Ferreira

Electrical and Computer engineering student



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Bio

I am a master's student of Electrical and Computer Engineering at Instituto Superior Técnico, as well as curator at TEDxULisboa and participant in the PyTorch Challenge by Facebook. Besides my interests in fields such as data science, machine learning and robotics, I'm always looking for new challenges and opportunities to learn more, being it self-learning or gaining experience in an international environment. Outside of the professional world, I'm a runner, a traveler, a football fan and an avid music listener.

Education



Integrated Msc in Electrical Engineering
2014 – Present Lisbon, Portugal
Instituto Superior Técnico
17/20 GPA



Sustain-T Erasmus Mundus
2017 – 2018 Bogotá, Colombia
Universidad Nacional de Colombia
4.42/5 GPA

Organizations



Curator at TEDxISTAlameda / TEDxULisboa
2016 – Present Lisbon, Portugal

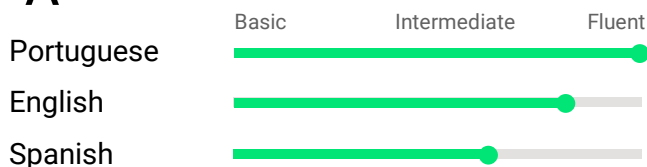
- Selecting and contacting with speakers.
- Curating the talks.
- Coordinating the curators team of 5 people since the 2017 edition.



Business Relations at JEEC Career Event
2016 – 2017 Lisbon, Portugal

- Contacted and met major companies to participate in the event.
- Obtained funding from 5 of them, including Microsoft and TAP.

Languages



Skills

Python Java C NumPy Dask
Android Studio TensorFlow OpenCV
LaTeX SQL PyTorch Pandas

Experience



Summer Internship at Jungle AI
2018 Lisbon, Portugal

- Built a data processing pipeline, used by project members in Jungle AI.
- Processed and analyzed more than 100GB of data from a major international client.
- Detected and predicted wind turbine faults, estimated losses and contributed to slide decks.



Research Internship at ISR - Institute for Systems and Robotics
2018 Lisbon, Portugal

- Involved predicting the future video frames that a robot will observe while it performs a given action.
- Reviewed and implemented deep learning models.



Summer Internship at IPFN - Instituto de Plasma e Fusão Nuclear
2016 Lisbon, Portugal

- Studied the use of drones for inspection operations on nuclear fusion reactors.

Achievements

Writer at Towards Data Science
2019 Lisbon, Portugal
Wrote an article on interpretable neural networks which was featured on Medium, in the topics of data science, machine learning, programming and math.

Best E.Project Award by Santander
2018 Lisbon, Portugal
Won the best entrepreneurship project award, with a smart running shoes concept, showing prototype hardware and app.

Presented a paper at ICCS 2018
2018 Cambridge, US
Gave a talk on urban security in Bogotá. The paper was published by Springer, as part of the International Conference on Complex Systems.