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.

✓ Skills

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

🎓 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

💼 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, especially for the ITER project in France.
- Involved research, programming in Matlab and in Java with Android Studio.

🔖 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.

⭐ Achievements

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. Attendees included researchers from Berkeley, Carnegie Mellon, Harvard and MIT.

🗛 Languages

	Basic	Intermediate	Fluent
Portuguese			Fluent
English		(near Fluent)	
Spanish		Intermediate	