Tomás **Cufaro Fernández**

Role: Data scientist

Personal data
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Web
Personal page
Github

Languages
Spanish (native speaker)
English
French
Portuguese

Programming languages
Python, R, Java, SQL, C++

Software skills
Machine learning: Scikit learn, Keras, Pytorch, TensorFlow, Apache Spark, pyspark, GCP, AWS, MySQL/PostgreSQL/SQLserver; Latex; Office; DSP. Mlops, Docker, Kubernets.

Profile

I am Data Scientist and I have been working on this field for five years. I am passionate about statistics, artificial intelligence, signals and programming. My main interest consists in audio projects such as speech to text projects, speech recognition, audio generation, audio sentiment analysis, emotion recognition, etc. But I enjoy working with any project that let me improve my knowledge about artificial intelligence. My abilities include analyzing and solving classification, prediction and recognition problems using tools such as Deep learning and Machine learning. I am able to create big data pipelines. I am able to work with all the AI life cycle: researching, developing and deploying. I am proficient in Python and I'm trained in cloud infrastructures such as AWS or GCP. I have been part of NLP projects, Computer vision projects and sound projects. I also used ML for solving different company problems as attrition prediction. I'm currently studying Sound engineering at the National University of Tres de Febrero where I gained the necessary mathematical foundations for the implementation of the mentioned technologies. I would like to keep improving and developing my data science and artificial intelligence skills to use them for different projects in the future.

Experience

2020-present	**Humai**	Ciudad Autónoma de Buenos Aires, Argentina

Python course lead
Python professor at Humai, Private institute of Artificial Intelligence
At humai I lead a python introduction course and I also teach ML

2019-present	**Globant**	Ciudad Autónoma de Buenos Aires, Argentina

Senior Data scientist
Machine learning and Artificial Intelligence. Working mostly with NLP projects I've been involved in: Computer vision project (skin disease detection for Novartis); Employee churn prediction; different recommendation systems, CV vectorization using NLP, mostly transformers, etc.

2018 - 2019	**Inktec SRL**	Ciudad Autónoma de Buenos Aires, Argentina

Data Analyst
Analysing and data modelling for different problems
At Inktec I worked making dashboards about sales data using Dash + Plotly and I also made sales prediction models

2018 - 2019	**Web scraping**	Ciudad Autónoma de Buenos Aires, Argentina

Freelance
Free lance web scraping service for Inktec SRL
I extracted competitors data related to prices and sales from their web pages

2017	**Tabia's sound**	San Isidro, Buenos Aires, Argentina

Sound Technician and electrical technician
Live sound operator and technician. Electrical and electronic technician and sound installation for events.

Education

2019-present	**Statistics Degree, Universidad Nacional de Tres de Febrero** 10/40 signatures. I started statistics to gain more formal education related to my AI career
2018-2019	**Data science and Artificial intelligence** Private institute of artificial intelligence: Digital house https://www.digitalhouse.com/
2015–Present	**Sound engineering degree, Universidad Nacional de Tres de Febrero** 22/41 signatures. I am current studding this degree as my main educative goal. I worked on different Artificial Intelligence thesis related to sound processing
2009–2013	**Colegio Nacional de Buenos Aires** High-school studies
-	**Courses and certifications** Neural Networks and Deep learning: Coursera. 2020 - Finished Sequence Models: Coursera. 2021 - Finished Google cloud Machine Learning Engineer : Quicklabs. 2021 - Audited

Achievements

2022	**Second place on Robust Speech Challenge. Hugging Face** As a team we created a robust Spanish ASR (automatic speech recognition) model using transformers from hugging face for their robust speech challenge