Julian M. Ganzabal

✉ jganzabal@gmail.com | 📞 +54911-3603-0319 | 🔗 julian-ganzabal | ⭘ jganzabal | 📍 Bs As, Argentina

Experienced Machine Learning Engineer with proven trackrecord in industry and high education. Skilled at the full ML cycle and model design and development. Currently working at Seenka as head ML Engineer and teaching Deep Learning's degree at ITBA.

Work Experience

Present **Sep 2020**	***Seenka S.A.* - Head Machine Learning Engineer** Responsible for: • Developing ML-OPS full cycle: End-to-end ML-OPS *Kubernetes* architecture design using *Dagster* as an orchestrator, *Airbyte* as the ELT (using *dbt* as the 'T') platform and *MLFLOW* as the tracking and model repository tool. Using *BigQuery* as the ML database to store datasets, predictions and evaluation metrics • Building the ML team: Interviewing, selecting, and coordinating de ML team members • Building and deploying NLP models: Thesaurus Topic classification, Keyword extraction and NER for news portals and social networks posts, Brand classification based on S2T outputs, W2V for fuzzy search and similarity search using KNN (Open Distro for Elasticsearch) • Building and deploying CV models: Logo detection, OCR and Object detection in TV streams and Youtube Channels. • Building a real-time commercials spots detection system for Radio and TV channels based on audio hashes and clustering techniques
Present **Sep 2017**	***ITBA (Buenos Aires Institute of Technology)* - Professor** Co-director and Professor at Deep learning's Lab degree. Contents are the following: • Probability and Statistics with python • Machine learning Lab (Ensemble Methods, MLP, Recommender Systems, Regression, Decision trees, Unsupervised learning) • Computer Vision Lab (ConvNets applied to Images, Video and Audio. Classification, Segmentation, Object Detection, VAEs and GANs for image generation) • Natural Language Processing Lab (RNN and transformers networks applied to NLP) • Reinforcement Learning Lab (Dynamic Programming, A3C, DQN, PPO)
Present **Sep 2017**	***Independent Consultant* - Machine Learning Engineer** • DESPEGAR.COM: Analysed Marketing bidding strategies and now building a model to optimize the measurment of elasticity to improove the revenue of marketing invesments. Testing different solutions at the moment: LMS, Kalman and Wiener filters • CONUAR S.A.: Built a Computer Vision Anomaly detection (Autoencoder) system to detect cracks on atomic energy containers • ALUAR SAIC: 4 months Online ML training for ALUAR's technology team • PAN AMERICAN ENERGY: 6 months On-site ML training for PAE's technology team • SANTANDER RIO: 2 weeks intensive ML training for bank's technology team.
Sep 2020 **Sep 2017**	***Croma Inc* - Parter and ML Engineer** • Design and build a GNI (Google News Innovation) project on NLP: Named Entity Recognition, Keyword Extraction, News Recommender System for spanish language • Build Croma AI platform for news analysis - Named Entity Recognition, Topic Clustering, Keyword Extraction, News Recommender System (TFIDF - w2v) -
Sep 2017 **Mar 2013**	***Globant* - Android developer and Machine Learning Engineer at Iamat** • Memes Recommender System (CF), OCR and Object detection • Android development Team leader
Sep 2017 **Feb 2000**	***ITBA (Buenos Aires Institute of Technology)* - Professor** Associate Professor on the following courses: • Digital Networks • Digital Telecommunications • Random Signals
Mar 2013 **Dic 2005**	***XIDEN - IDRIS* - Telecommunications Engineer** • Design, coordination, and implementation of Networking projects (Metroethernet, FTTH) • Did Consulting and trained technology teams on Telecomunications (VoIP, Switching, Routing) leading industry companies (TELECOM, TELEFONICA, HUAWEI)

Dic 2005	***Servicios Computados* - Biomedical Engineer**
Jul 2001	• Built an ECG holter which was released and selled on Argentinian's market

EDUCATION

Dec 2002	***Favaloro University* - Biomedical Engineer MS**
Mar 1999	
Dec 1998	***ITBA* - Electrical Engineer Degree**
Mar 1993	

SKILLS

Tensorflow (Keras), Pytorch, Spacy, Hugging Face, NLTK, Stable-Baselines3, Python, Docker, Kubernetes, GCP, BigQuery, Elasticsearch, PostgreSQL, MongoDB, Javascript, Dagster, MLFLOW, Airbyte