

Julian M. GANZABAL

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Experienced Machine Learning Engineer with a demonstrated history 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: <ul style="list-style-type: none">• Developing ML-OPS full cycle: End-to-end ML-OPS <i>Kubernetes</i> architecture design using <i>Dagster</i> as an orchestrator, <i>Airbyte</i> as the ELT platform and <i>MLFLOW</i> as the tracking and model repository tool. Using <i>BigQuery</i> 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: <ul style="list-style-type: none">• 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)• Natural Language Processing Lab (RNN applied to NLP)• Reinforcement Learning Lab (Dynamic Programming, A3C, DQN, PPO)
PRESENT SEP 2017	Independent Consultant - Machine Learning Engineer <ul style="list-style-type: none">• DESPEGAR.COM: Analysed Marketing bidding strategies and now building a model to optimize the measurment of elasticity to improove the revenue of marketing invesments• 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
SEP 2020 SEP 2017	Croma Inc - Parter and ML Engineer <ul style="list-style-type: none">• 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 <ul style="list-style-type: none">• 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: <ul style="list-style-type: none">• Digital Networks• Digital Telecommunications• Random Signals
MAR 2013 DIC 2005	XIDEN - IDRIS - Telecommunications Engineer <ul style="list-style-type: none">• Design, coordination, and implementation of Networking projects (Metroethernet, FTTH)• Did Consulting and trained technology teams on Telecommunications (VoIP, Switching, Routing) leading industry companies (TELECOM, TELEFONICA, HUAWEI)
DIC 2005 JUL 2001	Servicios Computados - Biomedical Engineer <ul style="list-style-type: none">• Built an ECG holter which was released and solded on Argentinian's market

EDUCATION

DEC 2002	<i>Favaloro University - Biomedical Engineer MS</i>
MAR 1999	
DEC 1998	<i>ITBA - Electrical Engineer Degree</i>
MAR 1993	

SKILLS

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