

Fernando Leandro dos Santos

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SKILLS

- Machine learning (Classification, Clustering, Regression, Collaborative Filtering, NLP)
- Data and database management
- SQL-like databases, MongoDB, Solr, Hive, Spark
- Python, Scikit-Learn, TensorFlow
- GoogleCloud DevOps(ComputeEngine, SQL, BigQuery)
- Java, JavaScript, Python, Ruby, Groovy
- Native Portuguese, Fluent English, Intermediate Spanish

PROJECTS

Part-of-Speech tagging with neural networks (2018)

- Developed a bidirectional LSTM model using word embeddings for POS tagging as part of a master course project
- https://github.com/flsantos/pos_tagging_lstm_pytorch

Startup's acquisition forecast (2017)

- Developed classification models to predict startup's acquisition based on investments received by the startup
- https://github.com/flsantos/startup_acquisition_forecast

PROFESSIONAL EXPERIENCES

Itaú-Unibanco, São Paulo, Brazil

Data Scientist, Nov 2017 – Current

- Developing a risk propagation model through financial transactions network
- Developed a recommendation model for credit card machines for Rede customers (credit card acquirer/operator)
- Developed a recommendation model for credit card discount campaigns with collaborative filtering (in deploy phase)
- Developed and deployed a framework for automatic bank checks verification and signatures verification, detecting cloned checks and fraudulent signatures
- Developed a fraud detection model for payroll loans

FloydHub, US (Remote work)

Deep Learning Researcher, Sep 2017 – Nov 2017

- Porting different deep learning projects into FloydHub platform
- Engaging new users from MOOCs and forums

MedBravo, Spain (Remote work)

Full Stack Engineer, Jun 2015 – May 2017

- Systematized health knowledge extraction from unstructured data with Natural Language Processing and Data Mining, covering more than 16.000 Cancer clinical trials in more than 100.000 hospitals
- Developed a web platform (used by +50 doctors in +15 Spanish hospitals) in AngularJS and Groovy on Grails that helped cancer patients finding specific and appropriate Clinical Trials
- Assembled a search engine for Clinical Trials with Apache Solr by integrating data from different sources, including the U.S. National Cancer Institute (NCI) and U.S. National Institutes of Health (NIH)

Caixa Econômica Federal, Brasília, Brazil

Database Analyst, Jun 2014 – May 2015

- Planned and directed systems migrations and database maintenance operations
- Collaborated in a team coordinating 9 different DBMS's (Oracle, PostgreSQL, DB2, SQL Server...) and Petabytes of data

EDUCATION

University of São Paulo, São Paulo, Brazil	Master of Science in Computer Science	2018 – In Progress
Udacity (Online)	Nanodegree in Deep Learning	2017 - 2017
Udacity (Online)	Nanodegree in Machine Learning	2016 – 2017
University of Brasília, Brasília, Brazil	Bachelor of Science in Computer Science	2009 – 2013
○ Publication: https://ieeexplore.ieee.org/document/6984806		
Utrecht University, Utrecht, Netherlands	Exchange Study in Artificial Intelligence	2012 – 2013