LUCIANO IVAN STRIKA

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EXPERIENCE

Machine Learning Engineer for Fraud Prevention
Sr. Data Scientist (Aug 2020 - Now)
Ssr. Data Scientist (March 2019 - Aug 2020)
Jr. Data Scientist (Oct. 2017 - March 2019)
MercadoLibre (Biggest E-Commerce site in Latin America)

📅 October 2017 – Now   📍 Buenos Aires City

- Trained, evaluated and deployed the Machine Learning models used for credit card fraud prevention in the MercadoPago secure payment platform, and the ones used in MercadoLibre's e-commerce platform, processing millions of payments every month. (TensorFlow, XGBoost)

- Engineered the features for those Artificial Intelligence models, through a detailed statistical analysis of purchase patterns and feedback from domain experts.

- Produced business insights through Big Data analysis, using queries on many different databases (Redshift, i.a.) and Python frameworks for data analysis, processing and visualization (Pandas, NumPy, SeaBorn, etc.).

- Designed tools to automate parts of our deployment, model evaluation and risk assessment processes, in order to make them safer and accelerate our iteration cycles. These combine Python and Bash, using AWS cloud services and an OOP oriented architecture.

- Undertook a major refactor of a program, leading two other people as a semi-senior. This program runs in the productive environment every time a payment takes place online, and generates over 1000 inputs for Neural Networks and other models, in less than 50 milliseconds. It combines Java and Scala, follows good practices and is robust and maintainable.

PROGRAMMING LANGUAGES/FRAMEWORKS

- Python (Pandas, NumPy, TensorFlow, ScraPy, Django, SeaBorn, XGBoost, PySpark, Dask) –4 years
- C++ –2 years
- Go –1 year
- Java –1 year
- JavaScript (Node.js, Angular, JQuery) –1 year

LANGUAGES

- Spanish (Native)
- English (Advanced, equivalent to Cambridge Advanced Exam)
- Esperanto (Fluent)
- Japanese (Intermediate -roughly JLPT3-)

OTHER TOOLS

- Shell commands
- Vim
- Hadoop MapReduce
- Jupyter Notebooks

EDUCATION

B. Sc. + M. Sc. Computer Science
Universidad de Buenos Aires

📅 2016 – December 2021

Introductory Year
Universidad de Buenos Aires

📅 2015 – 2016

Seminar on Voting Systems in Democratic Environments
San Marino University, through Esperanto Congress

📅 2014

PROJECTS

- Writes and maintains a Machine Learning/Data Science blog with over 5K monthly visitors (www.datastuff.tech). Also 1000+ followers on Medium.

- Crawled NHK Easy News (a simplified Japanese news source) to make a word frecuency dataset, in order to improve my vocabulary acquisition. Used Scrapy and an NLP library for tokenization, then sanitized the data through Pandas.

- Built a Fractal generator using Golang's concurrency model for the parallel processing of images.

- Designed and implemented a Face Recognition system in C++ from the ground up, including a k-NN algorithm, PCA usage and a console interface.

- Participated in the 2019 ICPC-sanctioned Argentinian Programming Tournament, where our team ended in the 35th position out of over 100.

- Currently studying Deep Learning for NLP doing Stanford's MOOC, having also taken part in my department's elective course on the same topic.

- Implemented my personal wiki, where I keep my (public) notes on courses, areas of interest and many different topics. (static site hosted on github.io, started as a fork from a public project).