santiago bassani

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Education

MS	**Technical Institute of Buenos Aires (ITBA).**, Software Engineering	Feb 2015 – Dec 2020

Experience

Salesforce, Senior Machine Learning Engineer — Dublin, Ireland / June 2023 – present

- Design and develop the current ML framework used by 20+ teams in the Data and Analytics pillar to develop, deploy and maintain supervised AI models. Which reduced time to production in up to 70% and bug incidents by 80% with a Data Scientists acceptance rate.

MuleSoft, a Salesforce company, Senior Software Engineer — Buenos Aires, Argentina / Mar 2020 – May 2023

- Senior Software Engineer. Developed the Anypoint copilot microservice, which enables Generative AI capabilities within Mulesoft's IDE. Used Python with FastAPI, Tensorflow and Numpy to integrate LLMs proxy engines which performed Retrieval Augmented Generation to provide solutions to customers queries. Interactions were stored in PostgreSQL and schemas managed with sqlalchemy and the shared with multiple engineering departments. (Mar 2023 - Dic 2023)
- Senior Software Engineer. Developed Churn prediction pipeline using Sklearn, Spark and Ariflow which help save usd 50 millions in customer retention pipelines. (Jan 2023 - Mar 2023)
- Software Engineer. Developed a custom metrics ingestion and processing pipeline for semi-structured data (code bases) using a Java microservice coordinated by a Spark job and some Python jobs to run specific NLP tasks. The ingestion pipeline stored metadata in S3, using AWS Athena for scheduled queries and populated a AWS Redshift BI Database. The project involved the (Jan 2021 - Dic 2022)
- Software Engineer Intern. Led research project focused on customer's use patterns of the DataWeave programming language in Mule Applications. As a direct result of some insights covered in the project, the language prioritized and scope new features. The project involved developing Scala parsers and Python Sklearn and Transformers libraries.(Mar 2020 - Dic 2020)

ZoomAgri, Software Engineer Intern — Buenos Aires, Argentina / May 2019 – Dec 2019

- Maintain a Image tagging system which consisted of a mobile app build in IONIC V4 and a backend using Django, PostgresSQL and some image post processing using AWS Lambdas.

Academic

University of Saint Andrews (UDESA), Teaching Assistant for Programming Fundamentals course (Pensamiento Computacional) — Buenos Aires / Mar 2022 – May 2023

- Tough the bases of OOP Procedural programming using Python and C.

Technical Institute of Buenos Aires (ITBA), Teaching Assistant for Imperative Programming course — Buenos Aires / Jan 2019 – June 2019

- Tough the bases of procedural programming using C.

Projects

Linic News

- Developed a news aggregation service which summarizes each article using LLMs and creates a feed based on recommendation algorithms.
- Tools Used: Python, FastAPI, PostgresSQL, Transformers, AWS,Tensorflow, SQL

Micro Neat

- Developed a simple yet robust version of the NEAT (NeuroEvolution of Adaptive Topologies) algorithm which can be used for a multitud of simulated evironments using openai's Gym or as a standalone package.
- Tools Used: Python, Tensorflow, Numpy, Ray

Technologies

Languages: Python, Java, SQL, JavaScript

Technologies: FastAPI, Tensorflow, Spring, Spark, PostgreSQL, AWS