

SANTIAGO VELEZ

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PROFESSIONAL EXPERIENCE

AI Lead - Plural Policy, US

08/2022 – Present

- Planned and led Plural's AI modernization strategy, with half a dozen new highly used features.
- First Bill Summarization service using LLMs (OpenAI GPT, Anthropic Claude, etc.) and primary sources, used thousands of times by dozens of companies.
- Semi-automated Policy Monitoring and Reporting agent, saving multiple hours per policy analyst.
- AI powered search to find and contextualize bills using Semantic Search, Colbert, and Re-ranking.
- RAG Chatbot for Public Policy discovery and QA.
- Policy topics extraction from unstructured text with transformers.
- Underlying architecture and experiments framework for AI feature development.

Senior NLP Engineer - Definely, UK

04/2022 – 08/2022

- Entity extraction (contract type, parties, dates) from unstructured legal texts.

Cloud Solution Architect for Data & AI - MICROSOFT, Colombia

03/2020 – 08/2021

- Near Real-Time fraud detection in Telco with Torch and Kubernetes.
- Churn prediction with semantic and acoustic features extracted from calls recordings.

Senior Data Scientist - Globant, Colombia

04/2019 – 03/2020

- Automatic Code Documentation with Transformers in Torch.
- Semantic Search Engine for code with RNN and Language Models.

Data Scientist - IDATA, Colombia

09/2017 – 03/2019

- Led Data Science team in an Anomaly Detection government project with nationwide impact.
- Led deployment of three ML projects for a Colombian oil & gas company.

EDUCATION

M.Sc. Computer Science, Georgia Tech, GA – US, In Progress

Specialization Analytics, Universidad Nacional, Medellin – Colombia, 2020

B.A. Business, Universidad de Medellín, Medellin – Colombia, 2017

AREAS OF EXPERTISE

- Machine Learning Development
- Deep Sequential Models
- Python ML libraries
- Applied Research
- Natural Language Processing
- Cloud AI and MLOps

LANGUAGES

English - Proficient | **Spanish** - Native