



Joaquin Dominguez

Data Scientist

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SOCIAL

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🗣 @j-dominguez9

PROFILE

Passionate Data Scientist with 3 years of experience in academic and professional data-driven applications. Specializing in applying Large Language Models and neural networks to digital workflows.

EDUCATION

- **Master of Science, Data Science**
Southern Methodist University
2021 - 2023
- **Master of Arts, Government Extension Studies**
Harvard University
2018 - 2020
- **Bachelor of Science, Psychology**
Colorado State University
2011 - 2015

SKILLS

- Python
- Go
- SQL
- R
- Webdev
- Cloud Computing

EXPERIENCE

- **Data Scientist**
December 2023 - Present | DeepLearning.AI, Remote
 - Created an LLM-based personal tutor with the persona of Andrew Ng.
 - Created a conversational Andrew Ng Avatar to give career advice, using a combination of fine-tuning, RAG, and multi-agent collaboration.
 - Contributed to the development of a translation agent with Andrew Ng.
- **Research Data Scientist**
August 2023 - May 2024 | Equilo, Remote
 - Generated summaries using LLMs with specific evidence and citations from a collection of thousands of documents.
 - Assisted building and deploying a RAG LLM application for 20,000 documents.
 - Created, tested, and deployed 6 classification models for tagging text documents using XGBoost, LLM zero/few-shot, NER, and fine-tuning BERT.
 - Led the design and deployment of an end-to-end pipeline: MongoDB →AWS Apache Kafka event-logging →AWS Lambda Function for document processing →AWS SageMaker for classification inference for multiple models →MongoDB collection.
 - Created and tested similar pipeline as above using GCP Pub/sub, GCP Dataflow (Apache Beam), GCP VertexAI, and GCP BigQuery.
- **Data Scientist**
August 2021 - August 2023 | Freelance Consulting, New Haven, CT
 - Assisted individuals and organizations with data mining, data analysis, and predictive model building.
 - Established data pipeline in a cloud environment via API and Apache Kafka.
- **Financial Advisor**
August 2020 - August 2021 | Northwestern Mutual, New Haven, CT
 - Assisted individuals and businesses in meeting their financial goals by employing a comprehensive financial planning process.
 - Specialized in investment risk management, debt management, insurance, and retirement planning.

CERTIFICATES

Google Data Analytics - 2021

Rigorous hands-on program that covers the entire scope of the data analysis process

REFERENCES

Professor
Dr. John Santerre
Machine Learning, Data Science
Southern Methodist University
Email: john.santerre@gmail.com

Professor
Dr. Sasha Sparsha
Thesis Advisor, Government
Harvard University
Email: saha@fas.harvard.edu

LANGUAGES

- English

- Spanish

- French

PROJECTS



Capstone:
Machine Learning Prosthetics



ConvoSQL:
MySQL Translator