Juan Figueroa

Lead Data Scientist

Profile

Accomplished Data Scientist with a passion for delivering valuable data through analytical functions and data retrieval methods. Bringing forth a proven track record of analyzing complex data sets and serving as a strong advisor. adept in the implementation of deep learning and machine learning solutions in fields such as Image Processing, Remote Sensing, and Natural Language Processing (NLP).

Employment History

Lead Data Scientist at Sparks & Honey, New York City

October 2022 — Present

As a project lead, I manage multiple projects focused on NLP processes such as document classification, topic modeling, document embedding tasks, and more. One of my key responsibilities is to continuously manage a classification pipeline with over 100+ automatically selected models, validation, testing, and deployment tasks. I ensured that all projects were executed efficiently and effectively, and that all team members were working together towards the same goals.

Software Engineer - Pathways at NASA - Goddard Space Flight Center, Greenbelt

May 2018 — March 2022

Reverse engineered and designed the updated online coronal mass ejection measurement tool SWPC_CAT. Responsible for ensuring accuracy, efficiency, and user-friendliness of SWPC_CAT tool and collaborating with team members to achieve high standards for all projects. researched and implemented machine learning applications for synthetic data generation in projects involving mass spectrometry and other bio-environmental sensors. an

Researcher at University of Puerto Rico at Mayaguez Laboratory for Applied Remote Sensing Imaging and Photonics (LARSIP), Mayagüez

August 2023 — August 2019

Extensive research was conducted on the applications of deep and machine learning in image processing and remote sensing. The research covered various areas such as colorization, single image depth estimation, image denoising, and other related use cases. These technologies have shown great potential in enhancing the accuracy and effectiveness of remote sensing applications.

Education

BSc in Computer Science, University of Puerto Rico, Bayamon

August 2014 — May 2018

Details

Guaynabo
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Links

Linkedin

Skills

SQL

Python

Data Analysis

Machine Learning

Deep Learning

Data Visualization

Interpersonal and communication skills

Agile Project Management

MSc in Computer Engineering, University of Puerto Rico, Mayagüez
Present

References

Pablo Vega Behar from Fitch Rating
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Emmanuel Arzuaga from University of Puerto Rico Mayaguez
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