

PERSONAL INFORMATION

Andres Manuel Mohali Marcano

 Tokyo, Japan.

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 [Kaggle](#) Mohax3

EDUCATION

M.Sc Student

NAIST, Nara-Japan

Information Science - Mathematical Informatics Lab.

Video feature extraction with deep learning for image processing to analyze social behavior in collaboration with Nara Medical University.

JNNS 2024 Poster presentation Behavioral Analysis of Mice with Disomy Deletion of Chromosome 15: Base for Pharmacological Approach

B. SC., Statistics

University of Los Andes, Mérida-Venezuela

GPA: 16.6/20 (Honor: Cum Laude)

Bachelor's Thesis

University of Los Andes, Mérida-Venezuela

Bachelor's Thesis Title: Economic variable efficiency to cryptocurrency forecasting.

Bachelor's Thesis Grade: 20/20 (Publication recommendation)

Bachelor's Thesis Paper: [Paper Link](#)

Responsibilities:

- Gathering and cleaning reliable data for the study.
- Designing and carrying out experiments for comparing the efficiency of models using economical variables in cryptocurrency forecasting.
- Training the selected models and statistically contrasting the results using Python, LSTM neural networks, and ARIMA models.
- Learned Python and all the required Python modules to carry out data visualization, data analysis, and model fitting for the proposed work.

WORK EXPERIENCE

Frontend Dev (current)

Tokyo, Japan

- New feature creation and maintenance of the company's in-house web application
- Use of tools like Docker, VSCode, and AWS.
- JS for frontend and C++, Go, Kotlin, and Swift for backend and device plugins

Data scientist (part-time)

Hacarus, Kyoto, Japan

- Using self-supervised learning for medical Image segmentations of 3D MRI images
- Developing SaaS in Python and Git for clients for MRI image anonymization.
- Medical device inspection with AI

Data Scientist

Vertebra Solutions, Colombia (Remote)

- Carrying out data preprocessing, which involves organising and cleaning the given data.
- Utilizing the data to implement dashboards to provide valuable insights for the company.
- Extracting valuable insights from data for stakeholders to optimize resource consumption.
- Implementing Optical Character Recognition (OCR) software using Python to automate the reading of image invoices.

ML Developer

Q4ant, Mérida (Venezuela)

- Utilizing NLP concepts to create and improve a chatbot prototype for healthcare institutions (Venemergencias) using Python and Google DialogFlow.

Professor's assistant

University of Los Andes, Mérida (Venezuela)

- Organizing and creating a thesis database for the Department of Statistics using Access and SQL.

CERTIFICATES

Database and SQL for Data Science

Coursera

- Learned the theory and practice of SQL querying systems using Python for Data Science applications.
- [Certificate link](#)

IBM Machine Learning Coursera Specialization

Coursera

- Learned the applications of ML using Python, from data visualization to Machine Learning models applied to real problems.
- Implemented 6 projects solving real-world problems.
- The goal is to be able to apply ML concepts to analyze data at different data lifecycles.
- [Certificate link](#)

PERSONAL SKILLS

Languagers

English (Business)

Japanese (Basic)

Spanish (Mother Language)

Communication skills

- Teamwork: I have acquired excellent teamwork skills as I have worked in various types of teams, mostly start-up teams, and remotely.

Job-related skills

Programming Languages

- Python
- R
- SQL

Specialized Skills

- Statistics
- Programing
- Machine Learning
- Deep Learning