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RESUME

Esteban Márquez Delgado

⚙️ 📊 Financial Engineer BSc. Σ Π

Jr. Data Scientist & QA Automation

(DA & BA | ML Eng. | DevOps)

Download Resume



Business Inquiries 24/7



Contact:



Repositories

Gists

HTML

Education:

- **ITESO**

Financial Engineering BSc.

Statistical Modelling & Data Science

August 2018 - December 2022 (5 years)

Guadalajara, MX

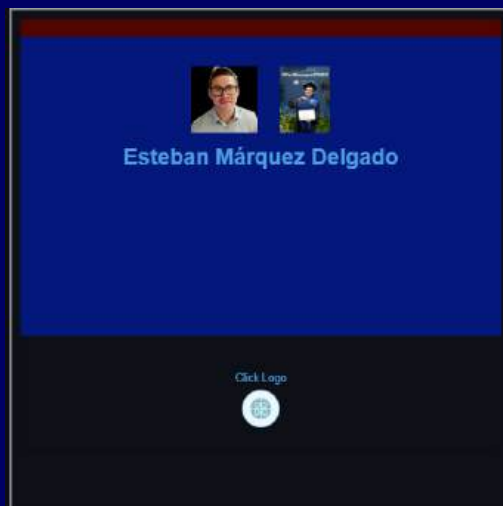
Activities:

Economics International Exchange **ERASMUS** student & Investment societies.

Distinctions:

1° place on college investment competition hosted by **MexDer** financial derivatives operator

Kualiderivados.



- **Universidad Loyola**
International Erasmus Exchange
Degree in Economics

August 2019 - December 2019 (1 semester)

Seville, Spain

Activities:

Statistically modelling **Behavioral Economics** theoretically & technically to simulate human behavior mainly using **MATLAB & Python**.

- **Colegio Cervantes Costa Rica**
Technical High School - Physics & Mathematics

August 2014 - December 2017 (3 years)

Guadalajara, MX

Working Experience:

- **Trading Club GDL**

Portfolio Risk Management Associate

January 2018 - Present (6 years)

Guadalajara, MX

Activities:

Historical Data Optimization Simulations for APIs automatic Portfolio Constructions, Risk Measuring & Predictive Modelling.

- **Investor House MX**

Financial Analyst Associate

May 2017 - Present (7 years)

Mexico City, MX

Activities:

Web Scrapping Financial Data to perform Technical, Fundamental & Corporate Data Analysis to automate insight deliveries & support Investment Decisions.

- **SHCP (Secretaria de Hacienda y Crédito Público)**

Data Science Internship

May 2022 - December 2022 (6 months)

Guadalajara, MX

Activities:

Big Data (+1m) automatic ETL processes with NLP Supervised Classifications to develop Price Prediction Models on MX Clothings imports for taxing purposes.

- **IIEG (Instituto de Información Estadística y Geográfica de Jalisco)**

GIS Data Science Internship

January 2022 - May 2022 (6 months)

Guadalajara, MX

Activities:

HTTP querying Natural Protected Areas Remote Sensed Data with Satellite Imagery to identify zones of pressure with Unsupervised Learning algorithms.

Certifications:

-  Developer Program Member

5+ years experience using Github & Github Copilot (as a beta tester before its launch) while taking advantage of my  LinkedIn Skills.

Cloud backup & sharing purposes:

 settings.json &  keybindings.json

Effectively troubleshooting collaborations with DevOps.

-  ITP: 560

Studying English as a Second Language since I was 5 years old 3 hours a day I can effectively communicate with speakers verbally through native spelling & grammar.

Tools:

Programming Languages




Symbol	Language	Experience
	Python	5+ years
	R	4+ years
	MATLAB	4+ years
	Markdown	4+ years
	LaTeX	4+ years
	Git	4+ years
	HTML	3+ years
	CSS	3+ years
	YAML	1+ years
	JavaScript	1+ years
	C#	-1 years
	PHP	-1 years
	TypeScript	-1 years

Frameworks

Symbol	Framework	Experience
	Streamlit	2+ years
	Keras	1+ years

Symbol	Framework	Experience
	PyTorch	1+ years
	TensorFlow	1+ years
	Node.js	1+ years
	React.js	1+ years
	.NET	1+ years
	Selenium	1+ years

Hosting






Symbol	Hosting	Experience
	Github	4+ years
	Gitlab	2+ years
	Azure	1+ years

Text Editor

Symbol	Editor	Experience
	Jupyter	6+ years
	RStudio	5+ years
	Spyder	4+ years


Symbol	Editor	Experience
	PyCharm	3+ years
	VSCode	3+ years
	VSCode Web	4+ years
	GitHub Codespaces	3+ years
	Google Colab	2+ years

Terminals

Symbol	Terminal	Experience
	Conda	5+ years
	Bash	4+ years
	CMD	4+ years
	PowerShell	3+ years
	Ubuntu	3+ years

DevTools

Symbol	DevTools	Experience
	MDN Dev	2+ years
	DevTools	2+ years

Symbol	DevTools	Experience
	Experimental	2+ years

Algoritms Experience:

- Linear & Logistic Regressions
- Decision Trees
- Random Forests
- Support Vector Machines (SVMs)
- K-Nearest Neighbors (KNN)
- Naive Bayes
- Principal Component Analysis (PCA)
- K-Means
- Hierarchical Clustering
- Gradient Boosting Machine (GBM)
- Genetic Algorithms
- Particle Swarm Optimization
- Gradient Boosting Machine (GBM)
- Genetic Algorithms (GA)
- Particle Swarm Optimization (PSO)
- Adaline
- Perceptron
- Feedforward Neural Network (FNN)
- Recurrent Neural Network (RNN)
- Convolutional Neural Network (CNN)
- Long Short-Term Memory (LSTM)
- Generative Adversarial Networks (GANs)

▼ Frequent Pkgs:

Mostly experienced with the following libraries in remote environments:

time built in datetime built in import built in glob built in os built in tk built in

logging built in random built in numpy 1.26.2 pandas 2.1.3 matplotlib 3.8.2 seaborn 0.13.0

plotly 5.18.0 scipy 1.11.4 ggplot 0.11.15 scikit-learn 1.3.2 statsmodels 0.14.0 nltk 3.8.1

tabulate 0.9.0 pillow 10.1.0 beautifulsoup 3.2.2 requests 2.31.0 fitter 1.6.0 nltk 3.8.1

xgboost 2.0.2 tensorflow 2.15.0 keras 3.0.0 pytorch 2.1.1 selenium 4.15.2 opencv 4.8.1.78

dash 2.14.2 pytest 7.4.3 sqlalchemy 2.0.23 pip install 20.3.4 pipreqs 0.4.13 pyxirr 0.9.3

ipython 8.18.1 markdown2 2.4.10 python dateutil 2.8.2 yahoofinancials 1.17

MetaTrader5 5.0.45 jupyter 1.1.0 chart studio 1.1.0 pandas datareader 0.10.0 regex 2023.10.3

fire 0.5.0 ccxt 4.1.70 kaleido 0.2.1 pytz 2023.3 datetime built in import built in

glob built in os built in tk built in logging built in random built in numpy 1.21.2

pandas 1.3.3 matplotlib 3.4.3 seaborn 0.11.2 plotly 5.3.1 scipy 1.7.1 ggplot2 3.3.5

scikit-learn 1.0 statsmodels 0.13.0 nltk 3.6.3 tabulate 0.8.9 pillow 8.3.2

beautifulsoup 4.10.0 requests 2.26.0 fitter 1.4.0 nltk 3.6.3 xgboost 1.5.0 tensorflow 2.6.0

keras 2.6.0 pytorch 1.9.0 selenium 4.15.2 opencv 4.8.1.78 dash 2.14.2 pytest 7.4.3

sqlalchemy 2.0.23 pip install 20.3.4 pipreqs 0.4.13 pyxirr 0.9.3 ipython 8.18.1

markdown2 2.4.10 python dateutil 2.8.2 yahoofinancials 1.17 MetaTrader5 5.0.45 jupyter 1.1.0

chart studio 1.1.0 pandas datareader 0.10.0 regex 2023.10.3 fire 0.5.0 ccxt 4.1.70

kaleido 0.2.1 pytz 2023.3

tidyverse 1.3.1 tidyr 1.1.4 lubridate 1.7.10 stringr 1.4.0 dplyr 1.0.7 readr 2.1.1

purrr 0.3.4 tibble 3.1.5 knitr 1.36 shiny 1.6.0 caret 6.0-88 rmarkdown 2.7

