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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**

[pdf Resume](https://github.com/EstebanMqz/EstebanMqz/raw/main/download/EstebanMqz.pdf) [docx Resume](https://github.com/EstebanMqz/EstebanMqz/raw/main/download/EstebanMqz.docx)

**Business Inquiries 24/7**

**Contact:**

[Repositories](https://github.com/EstebanMqz?tab=repositories) [Gists](https://gist.github.com/EstebanMqz) [HTML](https://htmlpreview.github.io/?https%3A//github.com/EstebanMqz/EstebanMqz/blob/main/html/README.html)

**Education:**

[**ITESO**](https://www.iteso.mx/en/)

[**Financial Engineering BSc.**](https://egresados.blob.core.windows.net/anuarios/2022b-otono-iteso/index.html)

# Statistical Modelling & Data Science

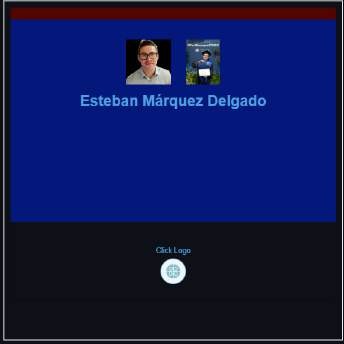
### August 2018 - December 2022 (5 years) Guadalajara, MX

**Activities:**

## Economics International Exchange [ERASMUS](https://www.erasmus.international/) student & Investment societies.

**Distinctions:**

## 1° place on college investment competition hosted by [MexDer](http://www.mexder.com.mx/) financial derivatives operator [Kualiderivados](http://www.mexder.com.mx/wb3/wb/MEX/MEX_Repositorio/_vtp/MEX/202b_abrir_cuenta/_rid/21/_mto/3/Operadores.pdf).

[](https://egresados.blob.core.windows.net/anuarios/2022b-otono-iteso/index.html)

[**Universidad Loyola**](https://www.uloyola.es/)[**International Erasmus Exchange**](https://www.uloyola.es/servicios/oficina-internacional/politicas-programa-erasmus) **Degree in Economics**

### August 2019 - December 2019 (1 semester) Seville, Spain

**Activities:**

**Statistically modelling** [**Behavioral Economics**](https://www.uloyola.es/oferta-cientifica/personal-investigador/pablo-ernesto-branas-garza) **theoretically & technically to simulate human behavior mainly using** [**MATLAB**](https://www.mathworks.com/products/matlab.html) **&** [**Python**](https://www.python.org/)**.**

[**Colegio Cervantes Costa Rica**](https://cervantes.edu.mx/)

# Technical High School - Physics & Mathematics

***August 2014 - December 2017 (3 years) Guadalajara, MX***

**Working Experience:**

[**Trading Club GDL**](https://tradingclubmx.com/)

# 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**](https://www.investorhouse.com.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**](https://www.gob.mx/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**](https://iieg.gob.mx/ns/) **(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](https://github.com/EstebanMqz)

## 5+ years experience using Github & [Github Copilot](https://github.com/features/copilot) (as a beta tester before its launch) while taking

**advantage of my**

**.**

## Cloud backup & sharing purposes:



[LinkedIn Skills](https://htmlpreview.github.io/?https%3A//github.com/EstebanMqz/Skills-Notes/blob/main/Skills.html)



[settings.json](https://gist.github.com/EstebanMqz/7d1e5b8022d429dd85ab9fa994461c7a)



[keybindings.json](https://gist.github.com/EstebanMqz/)

**&**

**Effectively** [**troubleshooting**](https://github.com/EstebanMqz/Pkg_Migration) **collaborations with DevOps.**



[TOEFL ITP: 560](https://www.ets.org/toefl/itp.html)

**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**](https://www.python.org/) | **5+ years** |
|  | [**R**](https://www.r-project.org/) | **4+ years** |
|  | [**MATLAB**](https://www.mathworks.com/products/matlab.html) | **4+ years** |
|  | [**Markdown**](https://www.markdownguide.org/) | **4+ years** |
|  | [**LaTeX**](https://www.latex-project.org/) | **4+ years** |
|  | [**Git**](https://git-scm.com/) | **4+ years** |
|  | [**HTML**](https://developer.mozilla.org/en-US/docs/Web/HTML) | **3+ years** |
|  | [**CSS**](https://developer.mozilla.org/en-US/docs/Web/CSS) | **3+ years** |
|  | [**YAML**](https://yaml.org/) | **1+ years** |
|  | [**JavaScript**](https://developer.mozilla.org/en-US/docs/Web/JavaScript) | **1+ years** |
|  | [**C#**](https://docs.microsoft.com/en-us/dotnet/csharp/) | **-1 years** |
|  | [**PHP**](https://www.php.net/) | **-1 years** |
|  | [**TypeScript**](https://www.typescriptlang.org/) | **-1 years** |

**Frameworks**

|  |  |  |
| --- | --- | --- |
| **Symbol** | **Framework** | **Experience** |
|  | [**Streamlit**](https://streamlit.io/) | **2+ years** |
|  | [**Keras**](https://keras.io/) | **1+ years** |

|  |  |  |
| --- | --- | --- |
| **Symbol** | **Framework** | **Experience** |
|  | [**PyTorch**](https://pytorch.org/) | **1+ years** |
|  | [**TensorFlow**](https://www.tensorflow.org/) | **1+ years** |
|  | [**Node.js**](https://nodejs.org/en) | **1+ years** |
|  | [**React.js**](https://create-react-app.dev/) | **1+ years** |
|  | [**.NET**](https://dotnet.microsoft.com/) | **1+ years** |
|  | [**Selenium**](https://www.selenium.dev/) | **1+ years** |

**Hosting**

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| --- | --- | --- |
| **Symbol** | **Hosting** | **Experience** |
|  | [**Github**](https://github.com/) | **4+ years** |
|  | [**Gitlab**](https://about.gitlab.com/) | **2+ years** |
|  | [**Azure**](https://azure.microsoft.com/en-us/) | **1+ years** |

**Text Editor**

|  |  |  |
| --- | --- | --- |
| **Symbol** | **Editor** | **Experience** |
|  | [**Jupyter**](https://jupyter.org/) | **6+ years** |
|  | [**RStudio**](https://posit.co/download/rstudio-desktop/) | **5+ years** |
|  | [**Spyder**](https://www.spyder-ide.org/) | **4+ years** |

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| **Symbol** | **Editor** | **Experience** |
|  | [**PyCharm**](https://www.jetbrains.com/pycharm/) | **3+ years** |
|  | [**VSCode**](https://code.visualstudio.com/) | **3+ years** |
|  | [**VSCode Web**](https://visualstudio.microsoft.com/services/visual-studio-online/) | **4+ years** |
|  | [**GitHub Codespaces**](https://github.com/features/codespaces) | **3+ years** |
|  | [**Google Colab**](https://colab.research.google.com/) | **2+ years** |

**Terminals **

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| **Symbol** | **Terminal** | **Experience** |
|  | [**Conda**](https://docs.conda.io/en/latest/) | **5+ years** |
|  | [**Bash**](https://gitforwindows.org/) | **4+ years** |
|  | [**CMD**](https://learn.microsoft.com/en-us/windows-server/administration/windows-commands/cmd) | **4+ years** |
|  | [**PowerShell**](https://learn.microsoft.com/en-us/powershell/) | **3+ years** |
|  | [**Ubuntu**](https://ubuntu.com/) | **3+ years** |

**DevTools**

|  |  |  |
| --- | --- | --- |
| **Symbol** | **DevTools** | **Experience** |
|  | [**MDN Dev**](https://developer.mozilla.org/en-US/docs/Web) | **2+ years** |
|  | [**DevTools**](https://developer.chrome.com/docs/devtools/) | **2+ years** |

|  |  |  |
| --- | --- | --- |
| **Symbol** | **DevTools** | **Experience** |
|  | [**Experimental**](https://dev.opera.com/extensions/dev-tools/) | **2+ years** |

**Algoritms Experience:**

[**Linear & Logistic Regressions**](https://en.wikipedia.org/wiki/Logistic_regression)[**Decision Trees**](https://en.wikipedia.org/wiki/Decision_tree)

[**Random Forests**](https://en.wikipedia.org/wiki/Random_forest)

[**Support Vector Machines (SVMs)**](https://en.wikipedia.org/wiki/Support-vector_machine)[**K-Nearest Neighbors (KNN)**](https://en.wikipedia.org/wiki/K-nearest_neighbors_algorithm)

[**Naive Bayes**](https://en.wikipedia.org/wiki/Naive_Bayes_classifier)

[**Principal Component Analysis (PCA)**](https://en.wikipedia.org/wiki/Principal_component_analysis)[**K-Means**](https://en.wikipedia.org/wiki/K-means_clustering)

[**Hierarchical Clustering**](https://en.wikipedia.org/wiki/Hierarchical_clustering)

[**Gradient Boosting Machine (GBM)**](https://en.wikipedia.org/wiki/Gradient_boosting)[**Genetic Algorithms**](https://en.wikipedia.org/wiki/Genetic_algorithm)

[**Particle Swarm Optimization**](https://en.wikipedia.org/wiki/Particle_swarm_optimization)[**Gradient Boosting Machine (GBM)**](https://en.wikipedia.org/wiki/Gradient_boosting)[**Genetic Algorithms (GA)**](https://en.wikipedia.org/wiki/Genetic_algorithm)

[**Particle Swarm Optimization (PSO)**](https://en.wikipedia.org/wiki/Particle_swarm_optimization)[**Adaline**](https://en.wikipedia.org/wiki/ADALINE)

[**Perceptron**](https://en.wikipedia.org/wiki/Perceptron)

[**Feedforward Neural Network (FNN)**](https://en.wikipedia.org/wiki/Feedforward_neural_network)[**Recurrent Neural Network (RNN)**](https://en.wikipedia.org/wiki/Recurrent_neural_network)[**Convolutional Neural Network (CNN)**](https://en.wikipedia.org/wiki/Convolutional_neural_network)[**Long Short-Term Memory (LSTM)**](https://en.wikipedia.org/wiki/Long_short-term_memory)

[**Generative Adversarial Networks (GANs)**](https://en.wikipedia.org/wiki/Generative_adversarial_network)



**Frequent Pkgs:**

**Mostly experienced with the following libraries in remote environments:**

[time built in](https://docs.python.org/3/library/time.html) [datetime built in](https://docs.python.org/3/library/datetime.html) [import built in](https://docs.python.org/3/reference/import.html) [glob built in](https://docs.python.org/3/library/glob.html) [os built in](https://docs.python.org/3/library/os.html) [tk built in](https://docs.python.org/3/library/tk.html)

[logging built in](https://docs.python.org/3/library/logging.html) [random built in](https://docs.python.org/3/library/random.html) [numpy 1.26.2](https://pypi.org/project/numpy/) [pandas 2.1.3](https://pypi.org/project/pandas/) [matplotlib 3.8.2](https://pypi.org/project/matplotlib/) [seaborn 0.13.0](https://pypi.org/project/seaborn/)

[plotly 5.18.0](https://pypi.org/project/plotly/) [scipy 1.11.4](https://pypi.org/project/scipy/) [ggplot 0.11.15](https://pypi.org/project/ggplot/) [scikit-learn 1.3.2](https://pypi.org/project/scikit-learn/) [statsmodels 0.14.0](https://pypi.org/project/statsmodels/) [nltk 3.8.1](https://pypi.org/project/nltk/)

[tabulate 0.9.0](https://pypi.org/project/tabulate/) [pillow 10.1.0](https://pypi.org/project/pillow/) [beautifulsoup 3.2.2](https://pypi.org/project/beautifulsoup4/) [requests 2.31.0](https://pypi.org/project/requests/) [fitter 1.6.0](https://pypi.org/project/fitter/) [nltk 3.8.1](https://pypi.org/project/nltk/)

[xgboost 2.0.2](https://pypi.org/project/xgboost/) [tensorflow 2.15.0](https://pypi.org/project/tensorflow/) [keras 3.0.0](https://pypi.org/project/Keras/) [pytorch 2.1.1](https://pypi.org/project/torch/) [selenium 4.15.2](https://pypi.org/project/selenium/) [opencv 4.8.1.78](https://pypi.org/project/opencv-python/)

[dash 2.14.2](https://pypi.org/project/dash/) [pytest 7.4.3](https://pypi.org/project/pytest/) [sqlalchemy 2.0.23](https://pypi.org/project/SQLAlchemy/) [pip install 20.3.4](https://pip.pypa.io/en/stable/cli/pip_install/) [pipreqs 0.4.13](https://pypi.org/project/pipreqs/) [pyxirr 0.9.3](https://pypi.org/project/pyxirr/)

[ipython 8.18.1](https://pypi.org/project/ipython/) [markdown2 2.4.10](https://pypi.org/project/markdown2/) [python dateutil 2.8.2](https://pypi.org/project/python-dateutil/) [yahoofinancials 1.17](https://pypi.org/project/yahoofinancials/)

[MetaTrader5 5.0.45](https://pypi.org/project/MetaTrader5/) [jupyter 1.1.0](https://pypi.org/project/jupyter/) [chart studio 1.1.0](https://pypi.org/project/chart-studio/) [pandas datareader 0.10.0](https://pypi.org/project/pandas-datareader/) [regex 2023.10.3](https://pypi.org/project/regex/)

[fire 0.5.0](https://pypi.org/project/fire/) [ccxt 4.1.70](https://pypi.org/project/ccxt/) [kaleido 0.2.1](https://pypi.org/project/kaleido/) [pytz 2023.3](https://pypi.org/project/pytz/) [datetime built in](https://docs.python.org/3/library/datetime.html) [import built in](https://docs.python.org/3/reference/import.html)

[glob built in](https://docs.python.org/3/library/glob.html) [os built in](https://docs.python.org/3/library/os.html) [tk built in](https://docs.python.org/3/library/tk.html) [logging built in](https://docs.python.org/3/library/logging.html) [random built in](https://docs.python.org/3/library/random.html) [numpy 1.21.2](https://pypi.org/project/numpy/)

[pandas 1.3.3](https://pypi.org/project/pandas/) [matplotlib 3.4.3](https://pypi.org/project/matplotlib/) [seaborn 0.11.2](https://pypi.org/project/seaborn/) [plotly 5.3.1](https://pypi.org/project/plotly/) [scipy 1.7.1](https://pypi.org/project/scipy/) [ggplot2 3.3.5](https://pypi.org/project/ggplot/)

[scikit-learn 1.0](https://pypi.org/project/scikit-learn/) [statsmodels 0.13.0](https://pypi.org/project/statsmodels/) [nltk 3.6.3](https://pypi.org/project/nltk/) [tabulate 0.8.9](https://pypi.org/project/tabulate/) [pillow 8.3.2](https://pypi.org/project/pillow/)

[beautifulsoup 4.10.0](https://pypi.org/project/beautifulsoup4/) [requests 2.26.0](https://pypi.org/project/requests/) [fitter 1.4.0](https://pypi.org/project/fitter/) [nltk 3.6.3](https://pypi.org/project/nltk/) [xgboost 1.5.0](https://pypi.org/project/xgboost/) [tensorflow 2.6.0](https://pypi.org/project/tensorflow/)

[keras 2.6.0](https://pypi.org/project/Keras/) [pytorch 1.9.0](https://pypi.org/project/torch/) [selenium 4.15.2](https://pypi.org/project/selenium/) [opencv 4.8.1.78](https://pypi.org/project/opencv-python/) [dash 2.14.2](https://pypi.org/project/dash/) [pytest 7.4.3](https://pypi.org/project/pytest/)

[sqlalchemy 2.0.23](https://pypi.org/project/SQLAlchemy/) [pip install 20.3.4](https://pip.pypa.io/en/stable/cli/pip_install/) [pipreqs 0.4.13](https://pypi.org/project/pipreqs/) [pyxirr 0.9.3](https://pypi.org/project/pyxirr/) [ipython 8.18.1](https://pypi.org/project/ipython/)

[markdown2 2.4.10](https://pypi.org/project/markdown2/) [python dateutil 2.8.2](https://pypi.org/project/python-dateutil/) [yahoofinancials 1.17](https://pypi.org/project/yahoofinancials/) [MetaTrader5 5.0.45](https://pypi.org/project/MetaTrader5/) [jupyter 1.1.0](https://pypi.org/project/jupyter/)

[chart studio 1.1.0](https://pypi.org/project/chart-studio/) [pandas datareader 0.10.0](https://pypi.org/project/pandas-datareader/) [regex 2023.10.3](https://pypi.org/project/regex/) [fire 0.5.0](https://pypi.org/project/fire/) [ccxt 4.1.70](https://pypi.org/project/ccxt/)

[kaleido 0.2.1](https://pypi.org/project/kaleido/) [pytz 2023.3](https://pypi.org/project/pytz/)

[tidyverse 1.3.1](https://www.tidyverse.org/) [tidyr 1.1.4](https://tidyr.tidyverse.org/) [lubridate 1.7.10](https://lubridate.tidyverse.org/) [stringr 1.4.0](https://stringr.tidyverse.org/) [dplyr 1.0.7](https://dplyr.tidyverse.org/) [readr 2.1.1](https://readr.tidyverse.org/)

[purrr 0.3.4](https://purrr.tidyverse.org/) [tibble 3.1.5](https://tibble.tidyverse.org/) [knitr 1.36](https://cran.r-project.org/web/packages/knitr/index.html) [shiny 1.6.0](https://cran.r-project.org/web/packages/shiny/index.html) [caret 6.0-88](https://cran.r-project.org/web/packages/caret/index.html) [rmarkdown 2.7](https://cran.r-project.org/web/packages/rmarkdown/index.html)



[Simulink R2023b](https://www.mathworks.com/products/simulink.html) [Curve Fitting Toolbox R2023b](https://www.mathworks.com/products/curvefitting.html) [Financial Toolbox R2023b](https://www.mathworks.com/products/financial.html) [Deep Learning Toolbox R2023b](https://www.mathworks.com/products/deep-learning.html) [Neural Network Toolbox R2023b](https://www.mathworks.com/products/neural-network.html)