MARIA E VILLALOBOS
DATA SCIENTIST

New York, NY
villalobos.maelena@gmail.com
Website

EXPERIENCE

Data Science Manager, AIG Investments Analytics, New York, NY
August 2019 - Present | 3 years

- Inform the Chief Investments Office (CIOs) on investment strategies through quantitative analyses covering 89% of the portfolio and totaling ~$74B.
- Increase the engagement of executive-level stakeholders by streamlining data pipelines and financial analytics dashboards for multiple business segments.
- Analyze current holdings data and visualize its performance relative to the long-term expectations for optimization-based allocations minimizing risk.
- Expand financial forecasts to new instrument types consistent with macroeconomic assumptions using regression analyses on time-series data.

Data Scientist, AIG Investments AI, New York, NY
August 2017 - August 2019 | 2 years

- Launched an AI-based product for corporate bonds risk monitoring working within a cross-functional team of Engineers, UX Designers, and Product Managers.
- Implemented, tuned, and deployed an ML model for personalized financial news recommendations; improving over the baseline solution.

Data Science Intern, AIG Science, New York, NY
June 2016 - August 2016 | Summer 2016

- Implemented ML predictive models based on Gradient Boosting to estimate the probability of insurance claims payment and loss reserve amounts.
- Augmented a large volume dataset of claims including structured and unstructured data by discovering new insights through exploratory analyses.

Data Science Intern, NBCUniversal, New York, NY
February 2017 - May 2017 | Spring 2017

- Constructed data engineering pipelines and best practices automating Nielsen ratings data processing at scale and feeding into viewership forecasting models.

Consulting Manager, ICO Group, Venezuela
August 2014 - May 2015 | ~1 year

Product Manager; Software Developer, SYNERGY-GB, Venezuela
August 2011 - August 2014 | 3 years

EDUCATION

MS in Data Science, New York University, New York, NY
May 2017

Machine Learning, Deep Learning, Statistics, Natural Language Processing

BS in Computer Science, Universidad Simon Bolivar, Venezuela
May 2011

Artificial Intelligence, Machine Learning, Database Architecture, Algorithm Design

Diploma in Marketing Management, CIAP/UCAB, Venezuela
May 2014

PROFILE

10 years of experience helping solve business problems with technology solutions with a strong user focus.

Record of building strong relationships with cross-functional partners and diving deep into the business domain to provide valuable insights and actionable recommendations.

SKILLS

- Machine Learning
- Exploratory Data Analysis (EDA)
- Quantitative Analysis

TECH SKILLS

- SQL
- Python
- Spark
- Git
- bash
- Tableau
- Agile

PROJECTS

Data Science and Software Development Tools **workshops for non-technical audiences**.

AIG Incubation Business Unit:
ML lead in a cross-functional team building a chatbot end-to-end for the warranty business from ideation, user research, design, development, and presentation at CES 2018.

Built the analytics module of Elium **leveraging machine learning models to segment users** and guide product development.

LANGUAGES

Spanish – native
French – fluent conversational