

MARIA E VILLALOBOS

DATA SCIENTIST

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[Website](#)

EXPERIENCE

Data Science Manager, AIG Investments Analytics, New York, NY

August 2019 - Present | 3 years

- Conduct statistical analyses to uncover relationships between customer experience and critical business metrics across intermediary and end-user touchpoints.
- Inform the Chief Investments Office (CIOs) on investment strategies through quantitative analyses covering 89% of the portfolio and totaling ~\$74B.
- Facilitate more agile decision-making among executive-level stakeholders through streamlined data pipelines and financial analytics dashboards.
- Expand financial forecasts to new asset classes 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 ratings data processing at scale and feeding into viewership forecasting models.

Consulting Manager, ICO Group, Venezuela

August 2014 - May 2015 | ~1 year

Product Manager; Backend 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 solid 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 conversational AI 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