

# MARIA E VILLALOBOS

DATA SCIENTIST

New York, NY  
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[Website](#)

## EXPERIENCE

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### **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 in 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, NYU

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 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

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### **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

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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

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

## TECH SKILLS

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

## PROJECTS

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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

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Spanish – native  
French – fluent conversational