

# DARIA MORGAN

## EXPERIENCE

### Metis, NYC

Mar 2020 – Jun 2020

#### Data Scientist

- Completed 12-week accredited data science bootcamp
- Built predictive models using regression and classification to develop strategies for various domains, including movie success, loan repayment, and customer insights
- Used natural language processing to determine key topics, sentiment, and structural patterns across various text formats, including reviews
- Created interactive visualizations and presented findings to senior data scientists

### Rmdy.com (ecommerce brand), Philadelphia

Sep 2019 – Jan 2020

#### Data & Analytics Intern (part time)

- Assisted in preparing/constructing key metric dashboard in Excel showing financial health of business (sales, growth, advertising efficiency)
- Dashboard connected raw shopify data with fb ad data
- Conducted cohort and other analyses (CAC, gross margin, retention, LTV)

### Arcon Construction Corp, San Francisco

Jan 2019 – Jul 2019

#### Financial Administrative Assistant

- Assisted with accounting, billing and payroll
- Performed data entry tasks using QuickBooks
- Performed bookkeeping and streamlined their filing system

### Sberbank (largest bank in Russia), Moscow

Jun 2013 – Jul 2015

#### Credit Analyst (Corporate Banking)

- Evaluated and helped approve ~\$60M of corporate loans
- Served as main point person for \$10M+ loans
- Assessed credit risk through analyses of credit data and financial statements
- Developed and maintained relationships with senior management and maintained ongoing dialogue throughout loan process
- Coordinated loan efforts with legal departments and credit associations
- Valued collateral (often properties) used to secure loans

## EDUCATION

### Siberian Federal University

Master in Economics, State and Municipal Finance  
B.S. in Economics, Finance and Credit

## DATA SCIENCE PROJECTS

### Analyzing customer reviews to get business insights (Natural language processing Project)

- Scraped 15,000+ reviews of various products from website of e-commerce clothing brand Everlane
- Divided these reviews among 5 categories using topic modeling with NMF matrix and TfIdfVectorizer
- Applied these topics to identify strongest and weakest sides of a particular product, in particular by specific features such as height and body type
- Findings can provide meaningful insights to the business

### Predicting Loan Default (Classification Project)

- Build a model that predicts how capable each applicant is of repaying a loan
- Performed model selection using F1 score and ROC curve analysis
- Tuned XGBoost model and performed feature engineering to maximize target metric of F1 score and AUC score

### Estimating international market movie revenue (Regression Project)

- Scraped movie related information data from IMDbPro, The Numbers and Box Office Mojo.
- Used domain knowledge performed feature engineering and added economical information using Yahoo Finance (currency exchange rates)
- Selected features using Lasso regularization technique
- Built two Linear regression models using pre-filming data and data with statistic from the first opening weekend

## CONTACT

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## SKILLS

### PROGRAMMING LANGUAGES:

Python  
SQL  
HTML/CSS

### PYTHON PACKAGES:

Pandas  
Numpy  
SciKit Learn/ Statsmodels  
Beautiful Soup/ Selenium  
Flask  
SQLAlchemy

### VISUALIZATION

Matplotlib  
Tableau, Bokeh, Plotly  
Seaborn

### SUPERVISED LEARNING

Linear Regression  
Logistic Regression  
K-Nearest Neighbors  
Support Vector Machines  
Naive Bayes  
Decision Trees  
Random Forests  
Gradient Boosting  
Time Series

### UNSUPERVISED LEARNING

Clustering  
Dimensionality Reduction  
Natural Language Processing

### CLOUD / DATABASES:

PostgreSQL  
AWS  
Google Colab  
MongoDB

## INTERESTS

National Parks  
Hiking / camping  
Running (half marathons)  
Traveling (most recently  
Alaska, Sri Lanka)