MAX EFREMOV

maxim.efremov@gmail.com | 443.955.9584 | maxefremov.com | LinkedIn | GitHub | Kaggle

SUMMARY of KEY QUALIFICATIONS

- Data scientist and machine learning engineer with cross-functional end-to-end model and product development experience
- Obsessive about internal and external customer experience: a self-driven, energetic mountain-mover in service of problem-solving

PROJECT EXPERIENCE

Center for Advanced Defense Studies, Washington, DC   January – March 2020
Data Science Technical Consultant, SanctionsExplorer
Led development of machine learning-featured search engine with analytics-visualization greenfield web application on cross-functional team that provides information pertaining to internationally-sanctioned entities from 100s of government agency databases and reports
- Developed web-crawling, natural language processing (NLP) and named entity recognition (NER) model; features include probabilistic entity extraction from narrative-style, unstructured text; responsible for 15% recall improvement
- Continuously tested, persistently deployed, routine automatic updating; hosted as full-stack web application with RESTful data science API on spaCy, Flask, and AWS infrastructure

PicMetric, remote   November – December 2019
Machine Learning Engineer, PicMetric Web Application
Batch user image object detection and classification web application; computer vision models perform static and dynamic object detection
- Deployed YOLO, ResNet50, and MTCNN models as Flask web application with user authentication and login functionality
- Developed data pipeline images, userbase metrics, and image metadata

WORK EXPERIENCE

Morgan Stanley, Baltimore, MD   June 2018 – August 2018
Analyst, Legal & Compliance Division
Supported Wealth Management compliance teams in their testing, audit, and reporting functions during summer program
- Enhanced controls around a firm-wide global blacklist pertaining to internationally sanctioned entities, through which every account opening and 10,000,000s of transactions at the firm pass through every day
- Reviewed millions of securities transactions other business activities of firm's 15,000 financial advisers to ensure compliance with the complex regulatory and legal environment

AmeriCorps National Civilian Community Corps, IA, NE, MI, IL
Field Team Leader   January 2014 – November 2014
Led a highly diverse team of 9 young adults in a year-long federal, national community service program throughout American Midwest

EDUCATION

Lambda School, remote   June 2020
Data Science Fellow
A 9-month, 1,600+ hour data science and software development program with a concentration in statistics, machine learning and real-world model development, validation, and deployment
- Sample of Real-World, Cross-Functional Projects
  - Consumer credit-scoring algorithm ∘ NLP web search tool ∘ Content-based song recommender ∘ Image classification applications ∘ static and dynamic web pages ∘ AI Twitter application that predicts user origin of any inputted tweet
- Data Engineering and Infrastructure
  - Data Mining & Wrangling ∘ APIs ∘ SQL ∘ Data cleaning ∘ Databases ∘ Amazon Web Services (AWS) ∘ GitHub
- Machine Learning and Advanced Prediction
  - Natural Language Processing ∘ Neural Networks ∘ CNNs for computational imaging ∘ XGBoost and ensemble learning

Towson University, Baltimore, MD   May 2019
Bachelor of Science in Economics cum laude; honors college
- Member of Honors College; GPA 3.84, Dean's List every semester; studied abroad at Yonsei University in Seoul, South Korea
- Econometrics, Statistics, Computational Economics, Macroeconomic Theory, Microeconomics, Money & Banking, Finance

COMMUNITY LEADERSHIP

- *Group Facilitator,* **Baltimore Artificial Intelligence Forum**, October 2019
- *Assistant Head Coach,* **Baltimore City High School Men's Lacrosse Program**, January – April 2016
- *Disaster Response - Team Leader*, **All Hands Project Detroit**, January – February 2015