Yaseen Lotfi

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EDUCATION

The College of William & Mary, Williamsburg, VA — B.B.A

August 2013 - May 2017

Bachelor's of Business Administration in Business Analytics and Data Science

Relevant Knowledge:

Applied Predictive Analytics (R), Advanced Modeling Techniques (Python), Big Data Analytics (R), Data Visualization and Simulation (R), Developing Business Intelligence (SQL), Machine Learning and Deep Learning (Tensorflow and Keras)

SKILLS

Languages:

Python, SQL, R

Frameworks:

NumPy, Keras, Tensorflow, Pandas, ggplot

Tools:

Git, conda, AWS

EXPERIENCE

FTI Consulting, Washington DC — Consultant, Health Solutions

September 2017 - PRESENT | Skills Used: Python, SQL, Pandas, conda, and Git

The primary developer of a Python parser that scans and decodes Medicare transmission files which has been used on multiple engagements, thereby saving clients exorbitant licensing fees for similar software.

Designed a reconciliation analysis to pull key metrics from provider note fields using regular expressions, clearing thousands of claims worth $10M - $20M in potential damages under the False Claims Act.

Built an Excel workbook generator with Python to pull billing and medical data from a SQL backend, freeing hundreds of billable hours that provided flexible time budgeting for a manual document review process.

Interdisciplinary Data Science, Williamsburg, VA — Lead Teaching Assistant

December 2015 - April 2017 | Skills Used: R, SQL, ggplot, and Git

Lead a team of TAs on introducing ~50 freshmen per semester to data science concepts in R, including data cleaning and mining, geospatial analysis, visualization, and reporting.

AidData, Williamsburg, VA — Research Assistant

February 2015 - May 2016 | Skills Used: R

Collaborated on the development of a novel dataset on Chinese activity across international development finance, releasing it to the public after a multi-year effort.

PERSONAL PROJECTS

StoryBot — *A chatbot capable of generating novel sentences.*

Train a Long-Short Term Memory Recurrent Neural Network on an AWS EC2 GPU instance that models the conditional probability of the next sentence given prior sentences in the story with Keras and Tensorflow.

AssortedAI — *An assortment of ML algorithms implemented from scratch.*

Developing a Python package with a simple API for Linear and Logistic Regression, Feed-Forward Neural Networks, K-Means Clustering, and Gradient Descent Optimizers among others using only NumPy.