Dimos Anagnostopoulos

dimos.tufts@gmail.com | www.github.com/dimostufts | www.linkedin.com/in/dimos1029 | 6937685000

Work Experience

Data Scientist/Engineer, Comcast NBCUniversal, Philadelphia, PA, USA   08/2016 – 09/2019

- Led the analytics effort to predict critical alarms by collecting and analyzing L1 network data (alarms, traffic, topology changes). Effort involved accessing API's, data mining, documenting and presenting to leadership.

- End-to-end development and deployment of Spring Java API that calculates non-overlapping, shortest routing paths for cell backhaul service for mobile carrier. Visualized paths on network with D3.js and HTML. It is deployed using Jenkins on EC2 machines.

- Built and deployed a real time Netflow data streaming application that performs Anomaly Detection. Built Dashboard visualizing the time series. Used Kafka, Spark and AWS (EMR, S3, Lambda, Cloudwatch).

- Built LSTM model that leverages hidden units to identify categories of errors across millions of logs of syslog data from network routers. Used Keras and Python. Link to published paper: https://arxiv.org/abs/1806.02000v1

- Rewrote entire code base of proprietary network algorithm in Spark and Scala (and associated unit tests) reducing the computing time from 30 minutes to 6. It is deployed using AWS Data Pipeline and EMR.

- Developed Spark (Scala) application that takes any labeled data set and finds the best machine learning model representing the data (among Logistic, Random Forest, GBTs, ElasticNet) . Models are evaluated across multiple metrics, automating the work of the data scientist.

- Developed a multi-class model to predict whether a customer is a fan of certain Video Content. Used Spark

Entrepreneur-In-Residence, Galvanize, New York, NY   05/2017 - 08/2017

Built Alexa-based application that helps households develop emotional intelligence. Won NY Hackathon.

Data Scientist, Booz Allen Hamilton, Boston, MA, USA   01/2015 – 08/2016

- Merged diverse data sources of multi-industry commercial client to match customer behavior across different verticals and built predictive behavioral models. Leveraged bank transaction data to define customer profiles through PCA, using these features to predict most likely to spend high on different vertical. Used R, python.

- Developed a fixed effects model for a federal client to help them allocate staff of diplomats across the globe, by predicting future demand for their services for 90 countries for the next 5 years. Used R, python (Selenium) and HTML for Web Scraping and modeling.

- Developed a Dashboard for a consumer goods client that helps them evaluate their online traffic. Metrics include time series of the performance of various topics of content (using Topic Modeling), for different demographics. Used R-Shiny for Dashboard and Python (pandas, skearn).

- Development of a Python application that maps aviation emissions data of one source to a format of another.

Web Developer Intern, PatientPing, Cambridge, MA   07/2014 - 10/2014

Soldier, Greek Army, Greece   10/2011 - 08/2012

Mandatory Service including training to become a competent soldier.

Equities Trader, Amplify Trading, London, UK   01/2011 - 09/2011

Education

Courses in Computer Science, Cloud Computing, Harvard University, MA, USA   06/2014 – 12/2014

MS Economics / Statistics, Tufts University, MA, USA - received Merit-based Scholarship   08/2012 – 02/2014

BSc Economics / Environmental Policy, LSE, UK - scholarship by Stelios HadjiIoannou   09/2007 – 07/2010

Languages : English, Greek, French, Spanish

Interests: Piano, Guitar, Traveling, History, Politics, Sailing (8th in World Laser 4.7 Championship, 2006, France)