EVAN D. LUTINS

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A data scientist driven to further understand the workings of various industries through machine learning and predictive statistics. I hope to contribute to a company's success while simultaneously enhancing personal growth.

SKILLS

Python, R, Scikit Learn, Pandas, NumPy, TensorFlow, Keras, NetworkX, AWS, S3, Docker, Kubernetes, SQL, GraphQL, D3, spaCy, NLTK, Gensim, Beautiful Soup, BERT, Tableau, Hadoop, Spark, Redis, Kafka

WORK EXPERIENCE

Data Scientist | Pinpoint   *September 2019 – November 2020*

- Orchestrated entirety of machine learning pipeline from querying data, initial analysis, model building, and model deployment primarily utilizing Python, R, Codefresh, and Docker/Kubernetes infrastructure
- Engineered features for XGBoost model to forecast time for a developer to complete a specific task, including a developer-entity familiarity score and NLP topic model using spaCy
  - Extracted individual feature contributions to provide customized explanations using tree-based model explainer
  - Forecast served as a catalyst for additional product features; sprint planning, prioritization, and developer assignment
- Constructed a multi-directional network graph based off developer interactions with various source systems, calculated correlation between nodes using Gensim and exposed model outputs through API
- Implemented scoring system to evaluate efficiency of agile sprint teams using Monte Carlo simulations
- Applied TF-IDF and Principal Component Analysis to text data to build entity recommendation engine
- Built out Pinpoint's AB testing suite for machine learning models, stored metrics and model info in s3
  - Designed Streamlit application for interested stakeholders to analyze AB test results
- Promoted credibility of internal data science to customer base via blog posts, open learning forums, and conference highlights

Data Scientist | car2go   *March 2018 – September 2019*

- Designed Recurrent Neural Network using TensorFlow to predict car rental demand given the day of week and time of day in specified areas
  - Applied Neural Network outputs to calculate parking costs across all locations in the United States, which proved integral in the restructuring of contracts with local municipalities
- Developed Tableau dashboards highlighting various KPIs specific to individual departments, including Fleet Disposition, Communication and Marketing, location specialists, and the executive team
- Executed ad hoc data analysis for various departments to meet appropriate timelines
- Implemented numerous hypothesis tests to make confident statistical based decisions

Lead Data Scientist | Musx   *March 2018 – September 2019*

- Involved in all data related company decisions, including how to aptly store and manage data, best practices for visualizing data, and which parameters of data are most valuable
- Wrote python web scraper using Beautiful Soup to collect song information to enhance Musx data
- Built DBSCAN model to cluster similar songs to be used for in-app recommendations

EDUCATION

Data Science Immersive, General Assembly   *May 2017 – September 2017*
B.S., University of Maryland, College Park   *September 2012 - May 2016*