Benjamin Blalock

EXPERIENCE

KOMODO HEALTH

Apr 2020 - Present

Data Science Solutions Engineer
Built a suite of prototypes and demo-able material to highlight addressable use-cases with Komodo Health's data assets for the newly formed HealthCare Solutions team.

Sep 2019 - Apr 2020

Technical Data Product Manager
Rotated onto the product team and managed planning, implementation, and delivery of features supporting longitudinal patient analysis in the company's main product. Launched feature successfully to several clients.

Aug 2016 - Sep 2019

Data Scientist - Engineer Level 3/2
Data Scientist on research and exploratory team at health tech company during growth from 20 to 200 employees. Worked across engineering, product and customer teams to create impactful data products.

- Built and productionalized two record linkage pipelines. Provided lift by doubling the number of entities represented in the company's main product.
- Developed python module for modeling of network data from medical billing claims at scale using apache spark. Methodology and code utilized in creation of referral-network feature of company's main product and in support of multiple client services projects.
- Created and maintained multiple analytical tools that allowed non-technical internal and external stakeholders to interface or extract insights from large volumes of data.

AMRUTA INC.

May 2015 - Aug 2016

Manager / Senior Associate
Data science consultant at boutique firm. Sub-contracted with the New York Department of Financial Services to aid in an investigation of a large financial company for market manipulation. Created tools for identifying and reconstructing suspicious transactions.

EDUCATION

MASTER OF SCIENCE / ANALYTICS
North Carolina State University, May 2015
Practicum Sponsor: The J.M. Smucker Company
Technical Lead

BACHELOR OF SCIENCE / BUSINESS
University of Mary Washington, May 2014
Minor in Data Science
summa cum laude

PATENTS

Blalock, B., Glenday, A., Prestinario, J. 2019. Generating and presenting graph data structures representing patient visit paths and physician referral networks. U.S. Patent Application 16/406,754, filed May 2019. Patent Pending.

Blalock, B., Glenday, A., Prestinario, J. 2019. Determining an association metric for record attributes associated with cardinalities that are not necessarily the same for training and applying entity resolution model. U.S. Patent Application 16/406,267, filed May 2019. Patent Pending.

TECHNOLOGIES

Spark / PySpark
Python / Pandas / SciKit
Flask / Plotly / Dash
D3 / JavaScript
SQL / Databases
AWS / S3 / EC2
R / dplyr / ggplot

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