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| Julie Fisher  Data Scientist | [LinkedIn](https://www.linkedin.com/in/julie-fisher-a1b4b524/) • [GitHub](https://github.com/julielinx/datascience_diaries) • [Profile](https://neo4j.com/videos/24-not-all-visualizations-are-created-equal/) • Nashville, TN |

Insightful and solution-oriented data scientist professional with hands-on experience in analyzing, interpreting, and translating complex data into insights. Familiar with a variety of programming languages and frameworks. Instrumental in organizing data, gathering intelligence, and training machine learning models. Experienced with leveraging technical analytics and systems knowledge to improve and build solutions, approaches, and procedures. Knowledgeable in driving insights into actionable plans for corporate clients to thrive in fast-paced and highly competitive industries. Articulate communicator, possessing excellent problem solving, multitasking, time management, and leadership skills.

Technical Proficiencies

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| Languages/Technologies:  Quantitative Principle: | Python, Pandas, Jupyter Notebooks, SQL, Neo4j, Cypher, Git  Social Network Analysis, Predictive Modeling, Data Mining, Data Visualization, Text Analytics |

Presentation

Featured Speaker, NODES Conference, 2020

Career Experience

Asurion Insurance, Nashville, TN 02/2020 – Present

Risk Modeling Scientist

Spearhead and complete various long running projects by regulating processes, procedures, and effective techniques. Adjust and validate objectives, key results, and performance indicators by focusing on leading machine learning team. Coordinate with end users to define user requirements and data product needs. Present findings and project updates to senior leadership and department wide audience.

* Reduced paid API calls by 16% by analyzing correlation of engineered features with target variables and removing unproductive data.
* Enhanced identification of claims in a fraud ring by 75% with custom graph visualization tool.
* Upskilled risk analysts within the larger fraud department in Python and data structure, which enhanced ability to detect discrete risk events.

Asurion Insurance, Nashville, TN 07/2017 – 02/2020

Sr Risk Analyst

Boosted predictive model performance through feature engineering. Utilized multiple languages, including SQL and Python, to identify new promising data points and save the best data for machine learning model training; acquire, clean, and munge data for analysis. Built interpretability tool into an integral part of user processes through analysis of user feedback and revision of feature names to human readable text. Collaborated with UX designers and trained end users on the capabilities of the tool.

* Engineered 24 significant machine learning features through text analytics and n-grams, which sustained high target correlation for 3 years.
* Boosted end user adoption of custom machine learning model interpretability tool from 10% to 100%.

Additional Experience

Inside Claim Representative, Travelers Insurance, Franklin, TN

Inside Claim Representative, State Farm Insurance, TN & IL

Technical Support, IBM, Boulder, CO

Education

MS in Data Science, Lipscomb University, Nashville, TN

BA in English, Penn State University, State College, PA

Licenses & Certifications

TN Adjuster license; Neo4j Certified Professional