

Stephen M. Lee

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Skills

- *Data Science*..... R (tidyverse); Python (pyspark, pandas); MATLAB; Hadoop/Spark; Databricks.
- *Web Development*..... NodeJS; Go; Django REST Framework; Angular 8+; Bootstrap CSS.
- *Machine Learning*..... recurrent neural networks; clustering; basic recommendation systems.
- *Econometrics*..... causal inference; structural modeling; discrete choice; timeseries analysis.
- *Natural Language Processing*..... latent dirichlet allocation; LSTM; multinomial inverse regression.
- *Infrastructure*..... SQL; AWS; Azure; Windows; Linux (Debian); bash scripting; Docker; git.

Employment

University of Memphis: *Adjunct Professor, Computer Science*

January 2023 – Current

FedEx Corporation:

Manager, Decision Science

June 2022 – Current

- Received the annual “Corporate 5-Star Award”, which is FedEx’s highest honor for performance.
- Labor and service insights work presented to Strategic Management Committee and Board of Directors.
- Led implementation of a new enterprise reporting tool that replaced the previous 20+ year old service metrics. The new tool includes 24 wide ranging metrics (with additional drill downs) calculated from data that spans the various independent operating companies. This was built in Azure cloud and utilizes custom Data Factory pipelines, scheduled Databricks notebooks, and a PowerBI front-end. These metrics are presented to our executive leadership team monthly.

Sr. Decision Scientist

2021 –2022

- Worked directly with the Chief People Officer in an ongoing analysis of national labor markets to anticipate the likely impacts of expiring fiscal benefits programs for each enterprise operating company. This work connected back to previous modeling of how shortages of front-line staffing impacts on-time service levels based on package volume, and was used to make critical “peak season” labor and shipment routing decisions.
- Managed daily data pipelines in Azure for package scan-level data. Performed upgrades that virtually eliminated pipeline failures, saving the team time and money on re-runs.
- Received two “Bravo Zulu” awards for the impact of the labor and staffing work.

Econ One Research: *Economist*

2020 –2021

- Published an article in Law360 titled “Managing Risks Of Algorithmic Bias In Corporate Decisions” ([link](#)).

Federal Reserve Bank of Chicago: *Research, Finance Department*

2019 – 2020

University of Memphis: *Research Assistant, Economics and Computer Science*

2016 – 2019

Fanatics Apparel: *Planner*

2015 – 2016

Professional Golf

2013 – 2015

Education

University of Memphis: *Memphis, TN*

- M.S. Computer Science **2019**
- M.A. Economics **2018**
- B.S. Physics **2013**
 - Scholarship member of the University of Memphis Men’s Division-1 Golf Team.