Jared Sharpe

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Newark, DE 19711

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TECHNICAL SKILLS

Tools and Languages	Python, R, MATLAB, SAS, Git, LaTeX, MarkDown
R Package Contributor	*causact* on CRAN for Bayesian inference in the Tidyverse

WORK EXPERIENCE

Assistant Professor   June 2023 — Pres
Department of Accounting and MIS, University of Delaware   *Newark, DE*
- Continue work as Graduate Instructor.
- Introductory Business Analytics and Machine Learning.
- Fundamental information systems design and understanding.

Graduate Instructor   February 2023 — May 2023
University of Delaware   *Newark, DE*
- Prepare and instruct MISY 331 Machine Learning for Business.
- Empower beginner programmers to understand and deploy Machine Learning tools to complex data sets.
- Invigorate focus on the ethical, legal, and sensible use of data in the real world.

Graduate Teaching Assistant   February 2023 — May 2023
University of Delaware   *Newark, DE*
- Aid instruction and grading of MISY 262 Fundamentals of Business Analytics.
- Answer student questions in office hours and via email.
- Assist professor in improving the class.

IT Mergers & Acquisitions Intern   June 2017 — Aug 2017
Axalta Coating systems   *Glen Mills, PA*
- Organize and prepare automated displays of current M&A information in SharePoint using Power BI.
- Design and organize SharePoint site for the M&A team for reporting and data storage and accessibility.
- Establish Excel template system for organizing, collecting, and reporting of due diligence.

EDUCATION

PhD in Financial Services Analytics, *University of Delaware*   May 2023
Dissertation: "Natural Language Processing for Evaluating Initial Public Offerings and Withdrawals: An Analysis of the Prospectus Filings"
Bachelor of Science in Actuarial Sciences, *University of Delaware*   May 2018
Minors in Computer Science & Business Administration
3.77/4 Cum Laude

PUBLICATIONS

Jared Sharpe and Keith Decker. 2022. Prospectus Language and IPO Performance. In *Proceedings of the Fourth Workshop on Financial Technology and Natural Language Processing (FinNLP)*, pages 154–162, Abu Dhabi, United Arab Emirates (Hybrid). Association for Computational Linguistics.

PROJECTS

Natural Language Processing for Initial Public Offering Pricing (PhD Dissertation)   2020 — 2023
- Apply Sentiment Analysis, Topic Analysis, and Embedding Methods to prospectus filings for IPO pricing and return explainability.
Topic Analysis of SEC Response Letters on Initial Public Offerings   2021 — Pres
- Using an embedding-based topic analysis tool, successfully identify interpretable SEC concerns that remain significant on the IPO price after controlling for both the change in prospectus sentiment and the final prospectus sentiment.
- Accepted Poster Presentation at AAAI The Bridge Program: Financial Services & AI.
- Invited Seminar speaker to FINRA.   March 2023

HONORS & AWARDS

Data Science Institute Fellow, University of Delaware	2023
Graduate Student Government Representative	2019 — 2022
Outstanding Senator Award for Data Collection	*2022*
Institute for Financial Services Analytics Conference on Machine Learning, Research Presenter	Fall 2019

ACTIVITIES

Recreational Tennis player, Hobbyist Clarinettist, Avid Gardner