Drew Jeffrey Shives

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Experience:

Graduate Assistant, **The Graduate Center, CUNY**, New York, NY (Aug. 2021 – Present)
- Developed, designed, and programmed cognitive science experiments to better understand the effects of image dimensionality on memory.
- Developed and programmed an R package focused on building repeatable MINERVA II models quickly and efficiently.
- Led literature review discussions focused on a broad array of topics including Bayesian data analysis, latent semantic analysis, and principal components analysis.

Data Scientist, **Marina Maher Communications**, New York, NY (Mar. 2020 – Present)
- Supervised a team of two Junior Data Scientists across multiple long-term and short-term projects.
- Developed and implemented an expected loss methodology to determine optimal stopping points in A/B testing.
- Utilized natural language processing and sentiment analysis on unstructured text survey responses.
- Developed a hierarchical Bayesian model to forecast engagement on social media influencers' content.
- Created real-time, interactive dashboards using Plotly Dash, AWS App Runner, and AWS Athena for Fortune 500 clients.

Marketing Analytics Senior Analyst, **Kepler Group**, New York, NY (Jan. 2019 – Mar. 2020)
- Supervised a team of two analysts across multiple client teams.
- Developed and implemented A/B testing methodology utilizing Bayesian inference.
- Utilized SQL and the Python to query, analyze, and model panel, time series, and cross-sectional data.
- Developed and implemented department-wide statistics trainings, including A/B testing and linear and multivariate regression.

Optimization & Innovation Analyst, **Kepler Group**, New York, NY (Jan. 2018 – Dec. 2019)
- Utilized Google Analytics to analyze on site actions and behavior.

Performance Analyst, **Colonial Consulting**, New York, NY (Dec. 2012 – Aug. 2013)
- Provided monthly market analysis on equity, fixed income, and international investments.

Investment Analyst, **Rocaton Investment Advisors**, Norwalk, CT (Sept. 2011 – Sept. 2012)
- Responsible for accounting, research, and overall performance of the hedge fund of funds.

Other Experience:

Purchasing Manager, **ABC Restaurants**, New York, NY (Aug. 2017 – Jan. 2018)

Line Cook, **Gabriel Kruether**, New York, NY (Jun. 2017 – Aug. 2017)

Tournant, **Agern**, New York, NY (Aug. 2016 – Jun. 2017)

Chef de Partie, **Aska**, New York, NY (May 2016 – Aug. 2016)

Line Cook, **ABC Cocina**, New York, NY (Jan. 2016 – Apr. 2016)

Line Cook, **Acme**, New York, NY (Oct. 2015 – Jan. 2016)

Line Cook, **Alder**, New York, NY (May 2015 – Sept. 2015)

Line Cook, **ABC Kitchen**, New York, NY (Oct. 2013 – May 2015)

Education:

The Graduate Center, CUNY, New York, NY
PhD Candidate in Cognitive and Comparative Psychology
Cumulative GPA: 4.00/4.00
Anticipated Graduation Date of Spring 2027

Gettysburg College, Gettysburg, PA
Bachelor of Arts in Economics, Minor in Japanese Studies
Honors Thesis: The Effect of Prediction Markets on Information Cascades
Cumulative GPA: 3.46/4.00
Graduated in 2011

Programming Knowledge:

Python
- Specific Packages: Pandas, Numpy, Matplotlib, Seaborn, Altair, Scikit-learn, PyMC3, TensorFlow, TensorFlow Probability, Pytorch, Pyro, Plotly Dash, Selenium, BeautifulSoup

SQL:
- Dialects: Amazon Redshift SQL, Standard SQL

R:
- Specific Libraries: tidyverse, brms, blogdown

HTML
CSS
JavaScript
Other Platforms
- Datorama
- Google Analytics
- JATOS
- Mechanical Turk

Statistics Knowledge:

Frequentist:
- Hypothesis Testing
- Regression: Ordinary Least Squares, Orthogonal Multivariate, Non-Orthogonal Multivariate, Ridge, Lasso, Support Vector,

Bayesian:
- Hypothesis Testing: Region of Practical Equivalence, Expected Loss, Bayes Factors
- Regression: Multilevel/Hierarchical
- Other: Gaussian Processes

Other:
- Dimensionality Reduction: Principal Components Analysis, Latent Semantic Analysis
- Unsupervised Learning: K-Means Clustering, DBSCAN