

SUMMARY

Data Scientist with a 10-year record of high-impact research that directly informed federal legislation. Designed statistical analyses to evaluate how policies affect consumer behavior, guiding changes that affected millions of citizens. Working in different sectors has fostered a passion for making data science accessible and engaging. A talented storyteller, excels in roles that link data science with communications to inspire change.

EDUCATION

- 2017 **Metis Bootcamp**
Data Science Certificate
 - Expanded skills in Python-based data science (e.g., deep learning; recommender systems; NLP; D3; Hadoop, Hive, Spark)
- 2010 **U. North Carolina-Chapel Hill**
PhD Epidemiology
- 2005 **U. Washington**
MPH Health Services

DATA SCIENCE PROJECTS

- ESTIMATING THE IMPACT OF #GIVINGTUESDAY ON 501(C)(3) FUNDRAISING** Aug 2017 to Current
Tools: Twitter API; Python (pandas, NumPy, tweepy); economic modeling
- PREDICTING RUNNER TIMES IN THE 2017 CHICAGO MARATHON** Sep 2017 to Oct 2017
Tools: Ridge, lasso regression; Python (pandas, NumPy, selenium, BeautifulSoup, matplotlib, scikit-learn)
- FORECASTING THE 2018 ACADEMY AWARDS** Oct 2017 to Current
Tools: Random forests, gradient boosting, KNN, SVM, logistic regression, Naive Bayes; SQL; AWS
- ELITE MARKETING: USING NLP TO UNDERSTAND TASTES OF THE YELP ELITE** Nov 2017 to Current
Tools: Natural language processing, K-means clustering; Python (NLTK, TextBlob); MongoDB; Tableau

SKILLS

- PROGRAMMING:** Python, SQL, R, SAS, Stata, AWS, PostgreSQL, MongoDB, Tableau
- DATA SCIENCE:** Regression, random forests, boosting, KNN, SVM, PCA, K-means clustering, natural language processing, neural networks
- MARKETING & COMMUNICATIONS:** Business founder, public speaking, media interviews, podcasts

EMPLOYMENT

- HEALTHY FOOD AMERICA** Seattle, WA
Vice President of Research and Evaluation Jul 2016 to Mar 2017
 - Launched organization's research portfolio, influencing policy changes that affected 5 million citizens
 - Working in a startup environment, engineered a collaboration between Harvard researchers and policymakers to use microsimulation models to forecast the impact of policy changes in the 20 largest cities in the U.S.
- U. TEXAS HEALTH SCIENCE CENTER AT HOUSTON** Austin, TX
Assistant Professor Jul 2013 to Jun 2016
 - Awarded \$900,504 grant to use system dynamics models to predict public policy impact in the U.S.
 - Authored 10 scientific papers and delivered 16 talks in the U.S., Mexico, Canada, Scotland, South Africa
- U. ILLINOIS AT CHICAGO** Chicago, IL
Research Scientist Jul 2010 to Jun 2013
 - Headed statistical analyses for 14 studies that evaluated the effects of state laws in all 50 states
 - Pioneered the first study to demonstrate an effect of state laws on weight change among children