

EducationUniversity of LouisvilleEastern Kentucky University

Computer Science, MS - 2009

Applied Computing, MS - 2007

Statistics, BS - 2006, Computer Science, BS - 2002

Minors: Mathematics, Mathematical Science, & Computer Electronics

Relevant Skills/Competencies

Python (Pandas, Scikit-Learn, NLTK, Matplotlib, Statsmodels), SAS, SQL, R, Tableau, Data Science/Mining, Data Preprocessing/Munging, Machine Learning, Analytics, Social Network Analysis, Natural Language Processing, etc.

ExperiencePilot FlyingJ/Pilot Travel Centers Knoxville, TNMay 2015 – Current: *Business Intelligence Data Scientist*

- Key contributor in a team of Data Scientists and Pricing Analysts that implemented machine learning-based recommendations and analysis for fuel pricing.
- Employ NLP techniques/methodologies on help desk data to identify trends within the field.
- Assisting in the planning/implementation of Pilot's first "big data"/clustered computing system (Cloudera/Hadoop/Spark).
- Provide mentorship to the junior members of the BI team.

University of Kentucky Lexington, KYMay, 2011 – May 2015: *Data Research Analyst* – University of Kentucky Graduate School

- Used SAS, SQL, and Tableau to connect to various sources of institutional data to combine, manipulate, and create datasets for further reporting and analysis.
- Responsible for the Graduate School's portion of the Fall Enrollment report that was presented yearly to the University's President as well as the Board of Trustees
- Responsible for completing surveys that were used to conduct graduate funding analysis and compile university rankings in various publications.
- Created a process for reconciling the Graduate School budget with the University's budget.

Aug. 2006 – May 2011: *IS Tech. Support Specialist III* - Gatton College of Business & Economics

- Primary technical contributor for migrating a student advising center to a more "paperless" environment via .Net web forms that interfaced with University's Active Directory and various data sources.
- Generated various reports on student/academic data by utilizing, and often combining, various data sources.

Various

1998-2006:

- Web programming, technician at an ISP, general developer (Java & VB6), computer lab & NOC monitoring

Refereed Full-Length Conference Proceedings Articles

- (Forthcoming) Turner Jason, Kantardzic Mehmed, Geo-Social Analytics Based on Spatio-Temporal Dynamics of Marijuana-Related Tweets, Proceedings of the International Conference on Information System and Data Mining ICISDM 2017, Charleston, South Carolina, April 2017.

Book Chapters

- Neupane, R and Turner, J. "Outcomes Research in the Treatment of Asthma". In Cases on Health Outcomes and Clinical Data Mining: Studies and Frameworks. Cerrito PB, Editor. IGI Publishing. 2010.

Conference Posters

- Turner, Jason "Using SAS Enterprise Miner's Association Node on Patient Diagnoses". SAS M2009 Data Mining Conference, 2009. Las Vegas, NV
- Turner, Jason "Predicting Hospital Length of Stay and Cost using ARIMA and Text Miner". SAS F2009 Business Forecasting Conference, 2009. Cary, NC

Program Committee Member

- 2017 International Conference on Information System and Data Mining

Honors

- F2009 Business Forecasting Conference - poster submission won one of three prizes awarded
- Eastern Kentucky University Dean's List
- Recipient of Eastern Kentucky University NSF Computer Science Scholarship