

Matt Yancey

Data Scientist Intern

Remote - Email me on Indeed: [indeed.com/r/Matt-Yancey/3586e82b1a4986be](https://www.indeed.com/r/Matt-Yancey/3586e82b1a4986be)

WORK EXPERIENCE

Data Scientist Intern

First Analytics - June 2014 to September 2014

Worked with a national railroad client to model the frequency of train departures

- Wrote R script to run hundreds of different models and visualize the results in a way that could easily be evaluated
- Identified trends for a natural gas company by running Hive queries on 15 million records and visualizing results using Tableau

Analyst

Accenture - September 2011 to June 2013

Worked on the largest state pension system in the US, wrote SQL queries that were used as benchmarks for the current system

- Did project analysis and created presentations for a newly hired master data manager at a Fortune 500 data management firm
- Evaluated the current state of a national health care provider's data management system and proposed best practices to be implemented

Rotational Analyst

AGCO - May 2011 to September 2011

Created a self-updating dashboard for viewing key performance indicators of suppliers

- Performed ad hoc statistical analysis and created reports using R, Excel and Access
- Created a probit regression model to assess reliability of inspections on incoming shipments

SCHOOL & PERSONAL PROJECTS

GE Transportation

- Currently working with GE to identify factors that lead to increased fuel efficiency in locomotives

Text Analytics

- Used text analytic techniques to identify political topics discussed in the Washington Post and whether the writers' sentiment was positive or negative on the topic; found a weekly and yearly seasonality in the overall sentiment of the Washington Post
- Performed document classification on characters from a television show to identify the most influential features of their speech (i.e., what words identify a character's speech as their own)
- Performed topic modeling/clustering on hundreds of Wikipedia pages

Web User Experience Improvement for Chicago Park District (CPD)

- Analyzed traffic flow data of over 500 webpages
- Found patterns in the bounce rate that indicated specific problems with the in-site search feature
- Created a final report for CPD summarizing suggestions for improving search functionality and web page design

EDUCATION

B.S. in Economics

Brigham Young University

April 2011

M.S. in Analytics

Northwestern University December