

# Noah Rezsonya

## Personal Info

### Location

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## Skills

### Data Mining Skills

Linear Regression

ANOVA, MANOVA

Logistic Regression

Support Vector Machines

k-Nearest Neighbors

Naive Bayes

Random Forests

Ensemble Methods

PCA, LDA

k-Means, DBSCAN

Agglomerative Clustering

Spectral Clustering

Association Rule Mining

### Analysis Tools

**Python:** pandas, numpy, scikit-learn

**R :** ggplot2, rvest, XML, RCurl, plyr, xtable, kableExtra,

forecast, olsrr, caret

**SAS, MATLAB**

### Relational Database

MySQL workbench

MongoDB

### Data Vizsualization

Tableau

**Python :** seaborn, matplotlib

*Aspiring Data Analyst driven to use her skills to develop data-driven breakthroughs.*

## Education

**08/2017 - 05/2019**

**Southern Methodist University: Dallas, Texas USA**

Master of Science, Data Science | Current GPA 4.0

**07/2009 - 02/2014**

**University of New South Wales: Sydney, Australia**

Bachelor of Civil Engineering

## Experience

**05/2014 - 11/2014**

**Executive Assistant Intern : Sydney, Australia**

**Harman Global Holdings**

- Assist in the development of client database to document transactions, market trends and client requirements to streamline sales and marketing strategies.

- Assist in the creation of a new user interface to manage incoming data and provide legible and concise feedback from previous client interactions.

**10/2015 - 08/2016**

**Post-Graduate Structural Intern : Chongqing, China**

**JizhunFangZhong Engineering and Architecture**

- Drafting and design of structural details.

- Maintain database of steel design parameters and costing.

- Using steel design database to track installation status to assist in procurement and construction sequencing.

## Projects

**10/2017 - 02/2018**

**Regression Project**

**Housing Price Prediction**

- Data has 79 explanatory variables describing (almost) every aspect of residential homes in Ames, Iowa.
- Predict the final sale price of each home.

**Skills Used:** R, Statistical Imputation, Linear Regression, Regression Model Selection.

**02/2018 - 05/2018**

**Classification Project**

**Kobe Shot Slection**

- Using 20 years of data on Kobe's swishes and misses to predict which shots will find the bottom of the net.

**Skills Used:** SAS, Statistical Imputation, Logistic Regression, Linear Discriminant Analysis.

**02/2018 - 05/2018**

**Database Project**

**Working with streaming data: Mining Twitter Data with Python and MongoDB**

- Streaming tweets using Twitter REST API.

- Compare design considerations: Real-time vs. Batch.

**Skills Used:** Python, MongoDB

**05/2018 - Present**

**Classification ,**

**Regression,**

**Clustering,**

**Association Rule**

**Project**

**Data Mining Using North Carolina High School Data**

- Leveraging historical, secondary data collected from high schools in the state of North Carolina to investigate what factors influence high school performance.

**Skills Used :** Python scikit-learn, Linear Regression, Logistic Regression, Random Forest, k-NN, SVMs, k-Means, DBSCAN.