# Noah Rezsonya

**Project Links**: https://github.com/nuoyakang
**LinkedIn**: https://www.linkedin.com/in/nuoya-noah-rezsonya/

**Legal Status:** Greencard Holder
**Location**: San Jose, CA 95112
**Phone**: 904-521-5938
**Email**: kangnuoya@gmail.com

## Skills

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|---|---|
| *Programming Language* | **Python**, R, MATLAB, Java |
| *Analytic Packages* | **Python**(pandas, numpy, scikit-learn, PySpark), **R**(ggplot2, rvest, plyr, forecast, olsrr, caret) |
| *Database* | **MySQL workbench, MongoDB** |
| *Data Vizsualization* | **Tableau, Python**(seaborn, matplotlib) |
| *Machine Learning* | **Regression:** Linear Regression, ANOVA, MANOVA |
| | **Classification:** Logistic Regression, SVMs, k-NN, Random Forests, Ensemble Methods |
| | **Clustering:** k-Means, DBSCAN, Agglomerative Clustering |

## Education

*08/2017 - 08/2019*
**Southern Methodist University: Dallas, Texas USA**
Master of Science in Data Science I Current GPA 4.0

*07/2009 - 02/2014*
**University of New South Wales: Sydney, Australia**
Bachelor of Civil Engineering

## Experience

*09/2018- Present*
**Data Science Intern: San Francisco, CA USA**
**Ambit Analytics Inc.**
• Exploring variations that could be related to poor performance of the NLP model and identify possible solutions
• Tune parameters in the engine to improve accuracy of different speech metrics
• Enhance existing tools to evaluate the data set against speech engines
• Build internal reports and dashboards
**Primary tools:** Audacity, Python(pandas, numpy, scikit-learn, matplotlib)

*10/2015 - 08/2016*
**Post-Graduate Structural Intern : Chongqing, China**
**JizhunFangZhong Engineering and Architecture**
• Maintain database of steel design parameters and costing
• Budget tracking, procurement and construction sequencing
**Primary tools:** Microsoft Excel, MySQL workbench

*05/2014 - 11/2014*
**Executive Assistant Intern : Sydney, Australia**
**Harman Global Holdings**
• Development of a new client database
• Document transactions and record feedback from customer interactions
**Primary tools:** Microsoft Excel, MySQL workbench

## Projects

*05/2018 - 09/2018*
**Data Mining Using NC High School Data**
Leveraging North Carolina high school data to investigate factors that influence high school performance.
**Skills Used:** Python scikit-learn, Data Pipeline, Feature Selection, Regression(Linear/Ridge/MLP Regressor), Classification(k-NN/Logistic/Random Forest), Clustering( as pre-processing step)

*02/2018 - 05/2018*
**Mining Twitter Data With Python And MongoDB**
Streaming tweets using Twitter REST API.
Compare design considerations: Real-time vs. Batch.
**Skills Used:** Python, MySQL workbench, MongoDB

*02/2018 - 05/2018*
**Classify Kobe Shots**
Using 20 years of basketball data from Kobe to classify shots.
**Skills Used:** SAS, Statistical Imputation, Feature Selection, PCA, Logistic Regression, LDA