

# Nuoya(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

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## Skills

**Programming Language** Python, R, MATLAB, Java

**Analytic Packages** Python(pandas, numpy, scikit-learn, PySpark), R(ggplot2, rvest, plyr, forecast, olsrr, caret)

**Database** MySQL, MongoDB

**Data Vizsualization** Tableau, Python(matplotlib), Processing

**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**

**Minor: Machine Learning and Natural Language Processing**

Master of Science in Data Science | Current GPA 4.0

**07/2009 - 02/2014**

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

**Minor: Pavement Engineering**

Bachelor of Civil Engineering

## Experience

**12/2018- Present**

**Data Analytics Intern: San Jose, CA USA**

**Visual Threat Inc.**

- Define the data collection process, write corresponding specs for other team members
- Organise collected data into the company's desired structure, scripting to change file format when necessary
- Statistical analysis and visualization of CAN bus data including identifying CAN data changes, observing their changing patterns and exploring the reasons of changes
- Collaborate with all team members to adjust the UI/UX and the visualization of product dashboard
- Establish follow-ups with potential clients, provide initial product information based on customer needs

**Primary tools:** Python(pandas, numpy, scikit-learn, matplotlib), Linux Command Line, Meld

**09/2018- 12/2018**

**Data Science Intern: San Francisco, CA USA**

**Ambit Analytics Inc.**

- Explore 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, model performance has increased by 15.87%
- Enhance existing tools to evaluate the data set against speech engines
- Build internal reports and product 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