

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(seaborn, 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

Master of Science in Data Science | Current GPA 4.0

07/2009 - 02/2014

University of New South Wales: Sydney, Australia

Bachelor of Civil Engineering

Experience

12/2018- Present

Data Analytics Intern: San Jose, CA USA

Visual Threat Inc.

- Collaborate with all team members to adjust the UI/UX and the visualization of product dashboard
- Statistical analysis and visualization of CAN bus data including identifying CAN data changes, observing their changing patterns and exploring the reasons of changes

Primary tools: Python(pandas, numpy, scikit-learn, matplotlib)

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

Side 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)