**RESUME**



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Suzhou, Jiangsu

Dai Sai

Objective:

Natural Language Processing Scientist

GitHub: <https://github.com/NageNalock>

Website: <http://dicey.cc/>

**EDUCATION**

**2012.09-2016.06 Zhengzhou University Telecommunications Engineering (Bachelor)**

**2017.09-PRESENT University of Science and Technology of China Software Engineering (Master)**

**CERTIFICATE**

CET-6

**SPECIAL SKILLS**

Being familiar with Python and Java programming

Being familiar with Feature Engineering

Basic Knowledge of Natural Language Processing and Data Mining

Basic design patterns

MySQL, Web Crawler

**PROJECT EXPERIENCE**

**The Analysis System of Government Affairs in WeiBo**

**Project description:**

* When analyzing the information about major events published by government’s official weibo accounts, in addition to use traditional methods of Classification and Clustering to build up data models, we also effectively extract the text features by several novel ways, such as “Information Gain”, “Chi Square Statistics”, and “TF-IDF”. Finally, we successfully predict and assess the major events in weibo with the help of infection model and simulated annealing algorithms.
* **Key Words**: Chi Square Statistics, Information Gain, K-means, Susceptible Infected Recovered Model,

Simulated Annealing.

**No Haze! An Analysis Report on Weather and Traffic Conditions in Shanghai**

**Project description:**

* Based on the 2015 Shanghai soda data, taxi traffic data and bus data are used to summarize traffic conditions. Then, the discretized time of traffic condition, the air pollution index of the air detection site and the weather data of the weather site are to be coupled. The statistical area is divided spatially according to the latitude and longitude of the site. The model will finally be established so that the weather condition and the traffic condition’s influence of air pollution will be presented.
* **Key Words**: Discrete method, Data standardization, Decision Tree Classifier, Random Forest, K-Fold Cross-validation.

**A Intelligent Controller of Car Driving Simulator**

**Project description:**

* Building a model by data of driver's action, like pressing the accelerator and braking, and road condition (saved as pictures) captured from a car driving simulator by Unity3D.I got a controller which can steer the car automatically in the simulator through the model.
* **Key Words**: TensorFlow, CUDA, Keras, OpenCV.

**ABOUT ME**

Outgoing, confident, willing to communicate, enthusiastic about new-tech.

I really appreciate everything that IT engineers did for the World.

And I really hope to work with them.