

Harlan Zhao

Data Scientist/Machine Learning Engineer

Motivated, responsible fast learner with a Master's degree in Engineering. With project experience in Machine Learning/Deep Learning/Computer Vision/NLP/Data Science. Fluent in English and Mandarin.



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EDUCATION

Master's in Electrical Computer Engineering

University of Windsor

01/2017 – 05/2018

Bachelor's in Internet of Things

Chengdu University of Technology

09/2011 – 06/2015

Chengdu, China

PERSONAL PROJECTS

Kaggle Competition: Predict Future Sales

github.com/zhaohehe520/Kaggle-Predict-Future-Sales

Achievements/Tasks

- Manage multiple files of company sales data and deeply understand the data.
- Perform Exploratory Data Analysis on various data entries
- Create data visualization with R language
- Perform feature engineering after gained a better insight on data set
- Compare results from different models and choose the proper one or ensemble them

Universal ChatBot Architecture

github.com/zhaohehe520/Your_Chatbot

Achievements/Tasks

- Perform data cleaning, data mining and feature engineering on a data-set that is over 100 GB in size.
- Research on papers and build Seq-2-Seq model (GRU) for this project.
- Train the model and perform hyper-parameter tuning for better results.
- Build user-bot-chat GUI just for fun.

Real-Time Face Detection&Identification

github.com/zhaohehe520/Face-Detection-Identification

Achievements/Tasks

- Research on multiple face-detection algorithms and choose the proper one for this project
- Apply algorithm (ResNET) with OpenCV in Python
- Test the model, find shortcomings, improve the model
- Currently Working on a Real-Time-Tiny-Face-Detection project (updating on GitHub).

TECH SKILLS

Python

SQL

R

Pandas

Git

TensorFlow

Keras

Numpy

Scikit-Learn

MySQL

Matlab

OTHER SKILLS

Ability to learn fast and efficiently

Good insights on complex data

Always be learning state-of-the-art machine learning methods from research papers

Video-Post-Production with Adobe Creative Suite

Youtube videos content creator, channel management

LANGUAGES

English

Full Professional Proficiency

Mandarin

Native or Bilingual Proficiency

EXPECTED JOB TITLE AND TYPE

Data Analyst

Data Scientist

Machine Learning Engineer

Intern

Full-Time

Contract