

Skills

Language

- Mandarin
- English

Programming

- Python
- Java
- C/C++

ML

- Tensorflow
- Pytorch
- Scikit-learn
- AllenNLP

Database

- MySQL
- MangoDB

Web Dev

- Jinja2
- Flask
- HTML/CSS
- JavaScript

Visualization

- PivotChart
- D3.js
- Tableau

Work Experience (Recent)

NLP Group, ALI, I2R, AStar, *Singapore*

Senior Research Engineering II

Apr 2019 - Present

Workloads: Projects: 50% Research: 30% Admin: 20%

Projects & Achievements:

- *Customer Satisfaction Analysis of Helpdesk Dialogue, Baidu Cooperated Project*
 - Developed and refined the model that increase customer about **4.6** times productivity boost
 - Managed the data annotation that provide high-quality data with **90%** data agreement
- Propose and build the annotation platform which boost the **2-3** times speed and enhanced the annotation quality

Senior Research Engineering I

Apr 2018 - Mar 2019

Workloads: Projects: 70% Research: 30%

Projects & Achievements:

- *Machine Reading Comprehension on Yes/No Question, Baidu Cooperated Project*
 - Developed and refined the model which achieved the top **3** performance on the Yes/No dataset
- Propose and build an annotation tool for complex text data, which boost **1-2** times annotation speed

Research Engineering

Aug 2015 - Mar 2018

Workloads: Project: 90% Research: 10%

Projects & Achievements:

- *Target-level Sentiment Analysis of News Title, Baidu Cooperated Project*
 - Developed and refined the model which was **integrated** into Baidu NLP API
 - Created and built about **10K** chineses news dataset for target-level sentiment analysis
- *Sentiment Analysis of Movie Comments, Baidu Cooperated Project*
 - Finetuned the model with around **7-8%** F1-score improvement
 - Deployed the model on Baidu's platform which satisfied **8** domains over **3** products
 - Create and built about **90K** comments dataset for sentiment analysis

Education

Institute of System Science, National University of Singapore, *Singapore*

Master of Technology in Knowledge of Engineering

Jan 2014 - Aug 2015

- GPA 4.19/5.0, Top **10%**
- The **Best** FYP project prize

Graduate Diploma of System Analysis

Aug 2012 - Aug 2013

- GPA 4.41/5.0, Top **3**

Computer Science and Technology, Harbin Institute of Technology, *China*

Bachelor of Computer Science and Technology

Sep 2008 - Jul 2012

- GPA 82.4/100.0, Top **10%**

Awards & Certifications

- Deep Learning Specialization by DeepLearning.AI, Coursera. No.BDQ6PV84R4VU, May 2019
- Google Cloud Big Data and Machine Learning Fundamentals, Coursera. No.3C5P9W8A53NW, Jan 2022
- Introduction to TensorFlow, Coursera. No.T6K3GLP5XUCQ, Mar 2022