

Skills

Language

- Chinese (Native)
- English (IELTS 6.5)

Measure Tools

- FTIR
- TGA
- DMA
- Injection and Modelling Machine
- Polarizing Optical Microscope
- Single-fiber pull-out Test
- Transient Plant Source Method

Software

- ChemDraw
- AutoCAD
- Aspen Plus
- MS Office

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

German Institute of Science and Technology, TUM-Asia, NUS, Singapore

Master of Science in Industrial Chemistry

Jul 2019 - Apr 2021

- GPA 4.19/5.0, Top 10%

Computer Science and Technology, Harbin Institute of Technology, China

Bachelor of Engineering in Polymer Science and Materials

Sep 2008 - Jul 2012

- GPA 87/100

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