

Curriculum Vitae

Personal Details and Contact Details

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Education and Qualifications

1. **China University of Petroleum (Beijing)** **September 2020-Present**
 - Master degree in Control Science and Engineering
 - Anticipated Graduation: June 2023
 - Integrated Ranking: 4/27
 - Mentor: [Jian-Wei Liu](#)
2. **China University of Petroleum (Beijing)** **September 2016-June 2020**
 - Bachelor of Engineering in Software Engineering
 - Integrated Ranking: 2/60
 - Cumulative Grade Point Average: 3.66/5.0

Academic Article

1. **An attempt to apply the homotopy method to the domain of machine learning**
 - State: manuscripts
 - Journal : IEEE Transactions on Neural Networks and Learning Systems, Q1(SCI)
2. **Span-based Boundary-Aware Model for Named Entity Recognition**
 - State: contribution
 - Journal : IEEE ACCESS, Q2(SCI)
3. **Time series representation learning based on Data to enhance and Informer**
 - State: Working

Research Experiences

1. **Research on automatic extraction model of key information of petrochemical scientific literature**
 - Role: Algorithm Engineer
 - Main Duties: Pdf page extraction and key information extraction
 - Time: July 2021-March 2022

2. Knowledge extraction model

- Role: participator
- Main Duties: Text capture and text annotation
- Time: September 2021-June 2021

3. Intelligent electronic access control

- Role: Leader
- Main Duties: Face recognition, two-dimensional code generation and recognition
- Time: September 2018-June 2019

Work Experiences

1. Institute of Software, Chinese Academy of Sciences

- September 2018- February 2019 Mainly engaged in face data annotation, face photo data cleaning, face detection model training
- September 2020-Present Mainly engaged in information extraction work, such as the research project of automatic extraction model of key information of scientific literature in petrochemical field

Awards and membership of professional bodies

- Apply for 2 items of Chinese national new patents;
 - ✓ Guo-wen Chen, Yang-yang LIU, Zhen-yu Wang. A deep learning based detection and identification system and method for polyethylene particle defects :, CN112837311A[P].2021.
 - ✓ Shou-bin Li, Chong TANG, Yang-yang LIU. Heald filament separation detection system and Method based on self-learning mode :, CN110865084A[P].2020.
- Application for 2 national software Copyrights;
- In 2017, won the second prize of the provincial competition of the 9th China "Blue Bridge Cup" competition;
- The third prize of the 2018 American Mathematical Modeling Competition;
- The third prize of the 2019 China Computer Design Competition National Competition;
- 2019 China "Challenge Cup" Provincial Excellence Award;
- The third prize of the 2021 China Postgraduate Mathematical Modeling Competition;
- Receive school scholarships for three consecutive years during the university;
- During the postgraduate period, won the first-class scholarship of the school for two consecutive years;

Skills

- ✓ **Computer-related basics**, such as proficient in python language, Linux system operation, etc.
- ✓ **Basic statistics related to statistics**, such as learning statistical knowledge such as

