

XIAN LI

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EDUCATION

Harbin Institute of Technology	08/2018 – 01/2021
Master in Computer Science, School of Computer Science and Technology. Average Score:80.51/100	
Henan University (Double First-Class)	08/2014 – 07/2018
B.Eng. in Network Engineering, School of Computer and Information Engineering. GPA: 3.66/4, Recommended Postgraduate	

EXPERIENCE

Tencent	Shenzhen
Recommended Algorithm Engineer (Application Research Position)	01/2021 – Now
<ul style="list-style-type: none">Responsible for optimizing the short video recommendation model of QQ Kandian. Built a personalized recommendation service for QQ Kandian Friend Channel from 0 to 1, which significantly improved the users' experience and increased the viewing time of users by 25.46% and the interaction rate by 18.06%.Through optimizing the recommendation model on features and structures, which brought a 1.88% improvement in total users' viewing time on QQ Small World. In particular, a list-wise-based model with multi-targets was successfully applied in rerank stage and an expert network with long session modeling and attention mechanism introduced into a MMOE model also improved the recommendation effect. In addition, a clustering network based on attribute features is introduced to enhance the embedding feature expression of cold start items and user IDs.Responsible for building e-commerce personalized recommendation service on QQ Small World, including recall stage, pre-rank stage and rank stage, which doubled the Click-through Rate(CTR) and the Gross Merchandise Volume(GMV) of business cards.	

PUBLICATIONS

- Xian Li**, Xiaofei Yang, Xutao Li, Shijian Lu, Yunming Ye, Yifang Ban “GCDB-UNet: A Novel Robust Cloud Detection Approach for Remote Sensing Images,” in **Knowledge-Based Systems**, 2022. [PDF]

PATENT AND SOFTWARE COPYRIGHT

- Patent:** Remote sensing image cloud detection method, terminal and storage medium based on fully convolutional network. Application No. **CN202010440430.0**
- Software Copyright:** Satellite image cloud detection system software based on deep learning. Registration No. **2020SR0496351**

SELECTED AWARDS

National Encouragement Scholarship	2016, 2017
First Class Scholarship of Harbin Institute of Technology	2018
Outstanding League member-Diligence and Truth-seeking Award of Harbin Institute of Technology	2019
Second Class Scholarship of Harbin Institute of Technology	2019, 2020
Second Prize for Technical Contribution of Big Data Research Center, Harbin Institute of Technology	2019
Outstanding Graduates of Henan Province	2018
National Second Prize of Lanqiao Cup (Programming Competition)	2017
National Third Prize of MathorCup College Mathematical Modeling Challenge	2017
Noational Second Prize of May Day Mathematical Contest in Modeling	2017
Excellent Project of College Students' innovation and Entrepreneurship Competition	2017

SKILLS

- Programming Languages:** Python, Go, Java, C/C++
- Tools and Frameworks:** PyTorch, TensorFlow, Spark, Git, L^AT_EX
- English:** CET-6(487) and CET-4(510)