

# XIAN LI

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## EDUCATION

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**Harbin Institute of Technology**, Shenzhen 08/2018 – 01/2021

Master in Computer Science, School of Computer Science and Technology

**Henan University** 08/2014 – 07/2018

B.Eng. in Network Engineering, School of Computer and Information Engineering, GPA: 3.78/4, Rank: 2/87

**Recommended Postgraduate**

## EXPERIENCE

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**Tencent** Shenzhen

Research Engineer 01/2021 – Now

- Responsible for optimizing the recommendation model of QQ Kandian. Built a personalized recommendation service for QQ Kandian Friend Channel from 0 to 1, increasing the total user viewing time by 20% on it.
- Through the optimization of features and model structures, it brought a 2% increase in total user viewing time on QQ small world. In particular, a list-wise-based rerank model and an expert network that introduces a multi-head self-attention mechanism were proposed.
- Responsible for building e-commerce personalized recommendation service on QQ Small World, including recall stage, pre-rank stage and rank stage, which greatly improves the click-through rate of business card and doubled the GMV.

## PUBLICATIONS

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- **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

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- **Patent:** Remote sensing image cloud detection method, terminal and storage medium based on fully convolutional network. Application No. **CN202010440430.0** and Publication No. **CN111611932A**
- **Software Copyright:** Satellite image cloud detection system software based on deep learning. Registration No. **2020SR0496351**

## SELECTED AWARDS

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- 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
- National Encouragement Scholarship of Hennan University 2016, 2017
- National Second Prize of Lanqiao Cup (Programming Competition) 2017
- National Second Prize of Mathor Cup (Mathematical Modeling Challenge) 2017

## SKILLS

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