

## RESEARCH INTERESTS

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- Data Science
- Machine Learning
- Database

## EDUCATION

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- **Nanjing University of Posts and Telecommunications** Nanjing, China  
*Bachelor of Science - Computer Science; GPA: 3.79\5.0* Sept. 2014 - June 2018  
A joint program with New York Institute of Technology

## WORK EXPERIENCE

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- **NANJING CATINFO INFORMATION TECH** Nanjing  
*Product Manager (Board Member)* August 2018 - April 2022
  - **Data Management Software Development:** KCLOUD: Enterprise Database Lifecycle Management System  
CATDB: PostgreSQL-Based MPP Database  
KTUNER: Query Optimisation Analysis Tool  
KSYSTEM: Oracle-based Cluster Management System
  - **Project Management for more than 50 projects in data mining and data visualization:** Responsible for software development and data analysis collected from different sensors

## PROJECTS

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- **KCLOUD:**
  - Completed the architecture design and function development using Shell, Python, Perl, SQL, Java and Machine Learning
  - Supported the monitoring of data centers and developed a decision-support system for computing and network resource management including workload prediction by Gaussian Process Regression
  - Developed a risk(alert) management and resilience system based on supervised learning to ensure high-availability (sustainability)
- **CATDB:**
  - Developed and optimized a distributed data management system for structural data in large scale
  - Took the leading role in the development of decision-support systems using collecting data from different kinds of sensors, such as bridge or road sensors, to monitor and ensure their sustainability based on CATDB

## HONORS AND AWARDS

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- Oracle Database 12c Administrator Certified Professional September 2020
- First Class Scholarship, NUPT 2018-2019
- 2nd Prize, Mathematical Contest in Modelling (MCM) January 2017
- President Scholarship, NYIT 2015-2018(each year)
- Dean's Scholarship, NYIT 2015-017(each year)

## ACADEMIC EXPERIENCE

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- **Urban Restaurant Recommendation System**  
*Product Manager* January 2018 - June 2018
  - Completed software requirement analysis, algorithm design and optimization, and coding on Android Platform
  - Developed a new scoring options judging part of scores from comments using text classification and updated a weighed score model combined with recommendation algorithms using more than one million records
- **Satellite Image Supervised Classification**  
*Product Manager* September 2016 - June 2017
  - Explored the satellite image differences by comparing the minimum distance classification and maximum likelihood classification using machine learning and computer graphics
  - Realized the comparison and optimization of the algorithm using 40000 images

## SKILLS

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- **Languages:** C++, SQL, Shell, Python, Java
- **Platforms:** Oracle, PostgreSQL, MySQL, SQL Server, Spark
- **IELTS:** Overall:7.0