

RESEARCH INTERESTS

- Data Science
- Machine Learning
- Database

EDUCATION

- **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

- **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

- **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

- 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 2015-2017(each year)

ACADEMIC EXPERIENCE

- **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

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