Wei Minhan  
  
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Location: Bengbu, Anhui, China  
  
EDUCATION  
  
Northeast Electric Power University  
Master of Engineering in Computer Technology  
September 2022 - June 2025  
- Major Courses: Principles of Artificial Intelligence, Data Mining, Professional English, Computational Intelligence, Virtual Reality, Python Programming, Matrix Analysis, Object-Oriented Analysis and Design, Digital Image Processing, Cryptography and Information Security, Microcomputer Principles and Applications.  
  
Tianjin University of Science and Technology  
Bachelor of Engineering in Logistics Engineering  
September 2012 - June 2016  
- Major Courses: Logistics Information Systems, Supply Chain Management, Production Logistics Management, Logistics Cost Analysis and Control.  
  
RESEARCH EXPERIENCE  
  
May 24, 2024 - "Data Feature Extraction Methods Based on Deep Learning" ICETCI (EI Conference)  
November 2022 - June 2023: State Grid Jilin Electric Power Co., Ltd. - Research on Smart Operation and Maintenance Technology for Distribution Networks Based on Deep Learning and Environmental Awareness  
- Research Topics: Deep Learning-driven Intelligent Video Surveillance Methods for Distribution Networks; Environment Awareness Methods for Operation and Maintenance Equipment of Distribution Networks; Big Data-based Device Status Analysis and Diagnostic Warning Models; Deep Learning and Environmental Awareness Fusion-based Smart Distribution Network Operation and Maintenance System.  
- Achievements:   
 - Paper 1: "A Wavelet Transform and ResNet-Based Method for Sensing the Operational Status of Secondary Equipment in the Distribution Room."  
 - Paper 2: "IoT Architecture for Electricity Distribution Considering Data Fusion and Intelligent Decision Making."  
 - Patent 1: A Method and System for Sensing the Operational Status of Secondary Equipment in Distribution Rooms (Accepted).  
 - Patent 2: A Method and System for Automatic Smoke Anomaly Detection in Distribution Rooms (Accepted).  
  
WORK EXPERIENCE  
  
Yuxin Technology Group Co., Ltd. - Big Data Development Engineer  
August 2016 - July 2022  
- Personal Customer Segmentation and Profiling Project: Used customer data analysis techniques to process and analyze multidimensional information such as consumption habits to construct customer profiles and tagging systems for optimizing customer service and supporting marketing strategies.  
- Knowledge Graph Risk Warning Project: Integrated internal credit data and external business information to construct a customer knowledge graph, uncover hidden relationships, characterize business risk attributes, and generate risk alerts.  
- Data Warehouse Migration to Domestic Systems: Led a project to migrate core data and business modules from Teradata to GaussDB, enhancing data management independence and security.  
  
CAMPUS EXPERIENCE  
  
Tianjin University of Science and Technology - Public Relations Director, Student Entrepreneurship Association  
October 2012 - February 2013  
- Led a team of six, divided tasks reasonably to improve work quality and efficiency.  
- Raised funds for a part-time job fair by soliciting sponsorships from businesses.  
- Coordinated four departments to organize the second part-time job fair and acted as the on-site manager.  
  
HONORS AND AWARDS  
  
- 2024: Advanced Individual in Technological Innovation, Northeast Electric Power University  
- 2024: Kaggle Global Machine Learning Competition: International Silver Medal (Top 3%)  
- 2023: Graduate Second-Class Scholarship, Northeast Electric Power University  
- 2015: Second-Class Scholarship, Tianjin University of Science and Technology  
- 2014: Logistics Professional Qualification Certificate  
  
SKILLS AND INTERESTS  
  
- Computer: Level 3 Computer Examination  
- English Level: CET-4 (College English Test, Level 4)  
- Interests: Fitness, Music, Basketball