

Wang Dongdong

Educational Experience

Bachelor's Degree, Northeastern Agricultural University, Animal Science	2013-2017
MSc, Lanzhou University, Computer Science and Technology	2019-2022
PhD, Lanzhou University, Intelligent Computing	2022-present

Work Experience Summary

2017.7-2018.6	Lanzhou Sequential Guanbo Information Technology Co, JAVA Software Developer
2018.7-2019.6	Lanzhou Dafang Information Technology Co, JAVA Software Developer
2019.9-2021.5	Intelligent Computing and Optoelectronic Information Sensing Group of Lanzhou University, JAVA Software Developer and Algorithm Developer
2021.6-2022.3	Shanghai ZhiXin Medical Technology Co, Algorithm Developer

Project Experience

Lanzhou Sequence Guanbo Information Technology Co., Ltd

2017.7-2017.12

I am responsible for the development of the online platform for the accommodation hotel industry in Gansu Province, China. My core work content is: back-end interface development and front-end page development. Spring mvc is used as the back end, Extjs as the front end, and MySQL database is used. The project has been put into use.

Lanzhou Sequence Guanbo Information Technology Co., Ltd.

2018.1-2018.6

Development of public security unlocking application in Gansu Province, China.

The core contents are:

- Responsible for the development of Android business process, using springmvc as the back-end and native Android SDK to achieve online filing and order grabbing.
- Android page development is implemented using native Android tools.

Lanzhou Dafang Information Technology Co. Ltd

2018.7-2019.6

The core work contents are as follows:

- The back-end development of Gansu meteorological big data platform in China, We use springcloud netflix as the back-end, and Eureka, Hystrix, Zuul, Ribbon, Feign, xxl job and other components are used in the actual development.
- The geographic information database is built. Postgre database is used for geographic information business storage operations, and SQL is used to directly clean and store data.
- Database query tuning and other work.

Intelligent Computing and Optoelectronic Information Sensing Group of Lanzhou University

2020.5-2020.12

The core work contents are as follows:

- Portal back-end development. Spring boot is used as the core development framework and MySQL as the database.
- For portal front-end development, vue is used as the core development framework, and third-party frameworks such as elementui, Ant design, DataV are used for visualization.

Intelligent Computing and Optoelectronic Information Sensing Group of Lanzhou University (Google China Project).

2019.9-2022.3

The core work contents are as follows:

- Front end page development uses the angular as the core development framework for business process development, and elementui, DataV and other frameworks for visual development.
- Back end API interface development, using spring boot as the back end and MySQL as the database.

Shanghai ZhiHearing Medical Technology Co.

2021.7-2022.3

The core work contents are as follows:

- Use Spotfire to visualize and pre analyze the collected data.
- Use python's python framework to model and analyze the above data. The main purposes of modeling are as follows:
 - Track the center of pupil and feed it back to the database in real time.

- Analyze the pupil position data of each patient to seek its important information and identify slow phase nystagmus, so as to achieve the effect of automatic diagnosis.

Personal development task

2021.3-2021.4

The core work is as follows:

- automatic processing of a mining platform APP, such as automatic order grabbing, automatic sorting account, etc. In actual use, the success rate of order grabbing of this program has reached more than 90%.

Personal development task

2021.7-2021.10

The core work is as follows:

- the development of the coin robbing robot on the pancakeswap platform. We have realized the functions of adding liquidity pool monitoring, buying tokens by busd and bnb, real-time price monitoring, and profit and loss stopping.

Personal development task

2021.10-2021.12

The core work is as follows:

- the development of chrome automatic trading plug-in, we have realized the buy and sell function of the preset rules of the fire currency platform.

Research Experience

2021.5-2024.6	Development of an intelligent diagnosis algorithm for vertigo based on oculomotor analysis and somatic posture analysis.
2020.12-2022.11	Basic research on surface-enhanced Raman substrates based on hollow silver nanocubes and early gastric cancer detection
2021.1-2021.12	Campus intelligent service trolley Utility model patent (ZL 2021 2 0016957.0)
2022.2-2022.7	Research on Raman spectroscopy-based skin cancer diagnostic model for gastric cancer with automatic classification of the model and deep learning interpretable visualization.

Academic Papers

[1] A denoising method based on back propagation neural network for Raman Spectrum, Spectroscopy and Spectral Analysis, 2022

Professional Skills

I am proficient in java, python, js, html and other languages. I am proficient in springMVC, springboot, springcloud netfix, springcloud alibaba, RabbitMQ, Zookeeper, Nginx, mybatis, redis, vue, angular and other front-end frameworks and scaffolding. I understand MySQL and other mainstream databases, understand java juc and other related technologies, and master the basic operating instructions and basic mining processes of ubuntu operating system.

I have a deep understanding of data analysis modeling, master data analysis tools such as Power BI and Spotfire, and master deep learning model development tools such as tensorflow, keras, and pyroch, and have good mathematical skills. Have a deep research on the current mainstream machine vision model, natural language processing model, image recognition model, image segmentation model, video target tracking model, recommendation algorithm and other models, and have the ability to analyze independent data and solve problems independently.

I have learned blockchain related knowledge by myself, understood blockchain operation principle, understood Ethereum network ERC20, ERC721 and other protocols, and can use web3.js, web3.py, web3j and other blockchains to develop SDKs.

Self Evaluation

I love learning and have strong self-learning ability. I have a strong interest in technology and am willing to spend time and energy to study hard. Through the master's study, I have a strong mathematical level. Through my work, I have gained a lot of code experience. I am good at doing things with the team, have the ability to solve problems independently, and have strong communication skills. I hope to join your company and become a member of your company.