

Yue Hu

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Education

Master - Xi'an Jiaotong-Liverpool University - Department of computer science and software engineering - Applied Informatics (2018.9-2020.5)

Bachelor - Anhui Jianzhu University - Department of mathematics and Physics - Physics (Acoustics) (2014.9-2018.7)

Skills

- Back end framework: Familiar with Python, and web development flask / Django, desktop development with pyqt
- Server building: Familiar with Linux environment, nginx + uwsgi service, docker building and deployment
- Database related: MySQL / Mongodb / SQLite, learning redis as cache
- Front end related: Understand JavaScript (ES6) and typescript, and be familiar with bootstrap
- Machine learning/deep learning: Common machine learning algorithms / tensorflow and pytorch framework
- Data analysis: Common libraries like Pandas / numpy / pyplot / sklearn, and time series signal processing methods like FFT/EMD/VMD

Internship experience

Kunlun Zhihui data technology (Beijing) Co., Ltd. (July 2019 ~ October 2020, February 2020 to now)

Ziguang industrial cloud (2020/02 till now)

Provide data and signal processing module for industrial cloud.

- Write data integration and preprocessing algorithm according to sample data and document specification.
- According to the actual data, design the model of signal processing and vibration analysis.

Hoya mobile lens yield optimization item (2019/06 -- 2019/08)

Develop a data tool to improve the yield of lens technology by analyzing the optimization part of industrial process.

- Developed the data monitoring and analysis tools of the industrial end based on PyQt.
- Integrate and clean the existing local industrial data.
- Modeling and analyzing the influencing factors of various defective products, and optimizing the improvement process.

Yield analysis and advantages of vicino products (2019/06 -- 2019/08)

Develop a data tool to optimize the yield of OLED production line based on industrial data.

- Reconstruct and clean valuable data from irregular industrial data, detect abnormal conditions based on data modeling, analyze the occurrence factors of defective products and give the optimization scheme
- Based on pyqt and turicreate framework, a desktop application under CentOS server is developed to solve the image recognition tool of fault component classification.
- A visualized data analysis tool based on pyqt and pycharts applied to the industrial end

Personal project

Pockettrpg online TRPG tool (2020/02 till now)

The online TRPG (desktop role-playing game) tool based on the flask framework (the server and database use nginx + uwsgi + MySQL) developed by ourselves provides an API interface complying with restful specification, which is ready for the next step of front-end and back-end separation development.

And has a built-in dice robot chat mode and online role card library that can be imported and exported. At the same time, it includes a recruitment module to release announcements and a module to share customized role card.

Project link: <http://www.pockettrpg.cn/>

Github <https://github.com/PocketTRPG-Dev/PocketTRPG-backend>

Thank you for your time and looking forward to working with you.