Siyao Song

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EDUCATION

Northeastern University, Shenyang, China   09/2020 - 07/2024

Bachelor of Software Engineering

- GPA(overall): 92.088/100
- Rank: 7/500(Freshman Year)   6/380(Sophomore Year)
- **Outstanding Student Pacesetter of Northeastern University**

AWARDS AND HONORS

- **National scholarship**   2020 -2021 & 2021 -2022
- First Class Scholarship of Northeast University   2020 -2021 & 2021 -2022
- National Second Prize of 2021 China University Big Data Challenge   Nov. 2021
- National First Prize of National Mathematics Contest for College Students   Nov. 2021
- National Second Prize of National English Contest for College Students   Nov. 2020

EXPERIENCE

BMW & STATE GRID & Northeastern University Laboratory   Jan. 2021 - Jan. 2022

1. Research on Power Quality Analysis Technology
- Research on Detection Algorithm of Charging Voltage Sag Parameters.
- The auxiliary implementation identifies the sag value, phase jump and start time of the sag voltage signal by dq transformation.
2. Construction of visual platform for electric vehicle charging
- Use springboot framework for back-end development, mysql as database, Vue + Echarts as front-end display tool.
- Realize the dynamic display of data and reserve interfaces for the addition of subsequent functions.

Huawei All-Wisdom Plan - Yolov4 model migration   Aug. 2022 - Present.

Write data processing scripts to complete the model migration from coco data set to face mask detection data set; Further connect the remote server to complete the training of yolov4 model, and constantly test until the model meets the accuracy requirements; Finally, write quick_start script to complete the model visualization.

SKILLS

Python Libraries	sklearn, lightgbm, xgboost, numpy, pandas, scipy, matplotlib, etc.
Tools and Libraries	Overleaf, Git, SSH
English	CET4-603 CET6-510