

Xiaokun GU

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SUMMARY

Seeking full-time opportunity in software development/front-end development.

Passionate and fully dedicated in java/python/javascript programming and a strong programming ability.

EDUCATION

Northwestern University

09/2022/03/2024

- MS, Electrical Engineering
- GPA: 3.85/4.00. Focus: Analog/digital Design

Dalian University of Technology

09/2018-06/2022

- BE, Electronic Information Engineering
- GPA: 3.53/5.00. Focus: Analog/digital signal processing

SKILLS

- Java, Python, HTML5, Node.js, CSS3, Javascript, React.js, Matlab

WORK EXPERIENCE

Intern, Dalian Zhihui Jingling Technology ,Co.Ltd, Dalian, China(Java)

06/2021-07/2021

- Designed a environmental-monitoring app. Functions include:
- Switch of the auto/manual mode, realized by obtaining command from the server.
- Display of the environmental parameter in real-time, realized by reading data from the server.
- Control of on/off of the app, implemented by sending 'json' to the server end.

Research Assistant, University of Minnesota, Minneapolis, MN, United States

07/2024-Present

- Currently working on the topic of Time-Series-Forecasting, using Pytorch in Python.

PROJECT EXPERIENCES

App(<https://github.com/XiaokunGu2000/SocialMediaAppFromLamaDev>)

- Designed a simple social app which is capable of following/unfollowing a user, registering a user, logging into account, posting, like/dislike of a post and so on.
- Constructed a single server using the Node.js and the MongoDB.
- Constructed the basic webpage of the social media app using the React.js and Javascript.

Personal Website Design(<https://xiaokungu2000.github.io/>)

- Constructed a simple personal website using the HTML and the CSS3.
- Implemented some simple image and text effect such as the mask and the showing/hiding using CSS.
- Constructed multiple pages and made a navigation bar which is used to jump to different pages on the top of each page.

SPS simulation(Python)

- Designed a SPS based vehicle communication situation.
- Defined a class 'vehicle', including all the necessary property in the communication process.
- Implemented all the features of SPS(i.e., resource sorting algorithm, resource allocation).
- Implemented the simultaneous communication of all the vehicles.