Sicong Li

Phone：86-13777887322
Email：lisicong97@qq.com
Address：Room232, Building5, Yuquan Campus
Zhejiang University, Hangzhou, China, 310000

Education

Sept 2020—Present ***Master: Computer Science and Engineering*** ***UC San Diego***

Sept 2016—June 2020 ***Bachelor: Software Engineering*** ***Zhejiang University, Hangzhou, China***

Projects

Website of Traditional Chinese Medicine ***Jan 2020***

● Built crawlers to download information about medical QA pairs from Zhihu, Baidu, etc. Used Selenium Webdriver to stimulate users operation. Used Ajax request and CSS selector. [Scrapy Redis]

● Used NER (named-entity recognition) and Text Classifier to extract useful data. Used cutting edge algorithem like Bert, RoBERTa, [Tensorflow Keras]

● Constructed and maintained a graph database about Chinese medicine. Neo4j could store every entity and their relationship, which made the medicine and disease like a web. [Neo4j]

● Built website to visualize the graph, which support users to search a disease or a medicine and there relation based on database. The result would be a graph in the website. [Spring MyBatis]

● visit http://zcy.ckcest.cn/tcm/qaos/home to see the consequence.

Website of Old Book Trade ***May 2019***

● Designed a website for students to trade their books. The framework was Java Spring Boot and Thymeleaf. Users could post their books to sell them and buy books from others.

● In order to make sure the data is safe, I used *synchronized* to lock the deal method.

● Two users could communicate timely with the technology of websocket.

Smart Watch of Control Furniture ***Spet 2018***

●Designed and implemented an application running on Android smart watch to manipulate furniture using hand gestures. It collected data from gyroscope and accelerometer in the watch and used complementary filter algorithm to determine the direction of hand and used neural network to distinguish orders.

Intern of Algorithmic Engineer **in** ***Yiwise.ai, China*** ***June 2019—Spet 2019***

● Improved the algorithm of Elasticsearch in a QA system to help users get answer.

● Wrote crawlers to collect text data for deep learning training.

● Made text classifier to distinguish sentence intents using neural network like BERT, DCNN, TextCNN.

Skills

Language: ***Java Python C++***

Database: ***MySQL Redis Neo4j***

Framework: ***Spring Spring Boot MyBatis Flask***