



Sicong Li

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Education

Sep. 2016—present Zhejiang University

Hangzhou, China

- Major: Software engineering, Department of Computer Science and Technology

Experience

National University of Singapore

Jul 2019

Summer workshop about streaming media transmission, honored with an A

- Used DASH (dash dynamic adaptive streaming over http) to transfer video clips with different qualities
- Designed algorithm to automatically change the quality of the real time video based on download speed

Embedded and Networked Systems research group

Jul 2018—Jun 2019

Research Assistant, supervised by Professor Yi Gao

- Investigation about machine learning and gesture recognition based on data from IoT devices
- Project: Designed and implemented an application running on Android smart watch to move furniture using hand gestures. It collected data from gyroscope and accelerometer and used complementary filter to determine the direction of hand and used neural network to distinguish orders

Yiwise.ai (a famous AI company in the area of human-computer interaction)

May 2019—Present

Intern of Algorithmic Engineer, focusing on natural language processing

- Studied most recent papers, did some analysis and implemented some of the models
- Made classifier to distinguish sentence intents using neural network like BERT, DCNN, TextCNN
- built crawlers to download enterprise-level information from Zhihu (a question and answer platform like Quora). And used NER (named-entity recognition) to extract useful data

Digital media Computing & Design Lab

Aug 2019—Present

Research Assistant, supervised by Professor Yin Zhang

- Built website about traditional Chinese medicine using Java Spring MVC, which includes question answering system about medical treatment and exhibition about relationship between medicine and disease
- Constructed and maintained a knowledge graph about Chinese medicine which could support the QA system and used Neo4j (a graph database) to store the information
- Built question answering system over knowledge graph and question-answer pairs by semantic analysis and sentence similarity matching algorithm

Honors

- First prize in mathematics competition of Zhejiang Province *2016*
- ZJU Five-star Volunteer, which requires more than 250 hours of voluntary work *2018*
 - volunteer in a senior house
 - mentor for primary school students
 - volunteer teacher in a remote countryside school in Huaiyuan, Guangxi Province
- Third winner of Alibaba IoT competition (GXIC) in intelligent Furniture *2018*
- Third-class academic scholarship *2019*
- Course scholarship in Foreign Exchange Trading System *2019*