

Haifeng Shi

hfengshi@outlook | [github](#) | [blog](#)

EDUCATION

Southwest Jiaotong University

B.E. in Computer Science and Technology

Chengdu, China

Sep 2016 – Jul 2020

- **CGPA:** 87(3.6/4.0), Last 2 Year GPA: 89
- **Course Highlight:** Java Program Design (96), Computer Composition (94), Computer Network (92)
- **Experiment Course Highlight:** Data Structure(97), C++(96), MicroComputer(94), Computer graphics(93)

EXPERIENCE

Software Engineer II

CDN scheduling group, Huawei Cloud

Jul 2020 – Present

Chengdu, China

- Improved the load balance algorithm for HTTPDNS and EDNS services
- Developed the redirection service, which can support 50 million QPS and save 2 million RMB per month

Visiting Student

CMS, National University of Singapore

Sep 2019 – Dec 2019

Singapore

- Analyzed the marine traffic in Singapore port based on the spatio-temporal data
- First, cleaned and visualized the data(50 million records), accelerated the preprocessing stage by 10 times
- Second, applied weighted least square method and box-cox algorithm for better analyzing the traffic fundamental diagram

PROJECTS

Multiobjective Community Detection

Jan 2020 – Apr 2020

- Implemented algorithm Mdbbo and algorithm Mania in C++
- Designed a more competitive [algorithm](#) based on my modified version of Mania
- Utilized Flask to build a [web application](#) that supports visualization of the community detection result (Advised by Prof. Homgmei Chen)

Products Classification by name

Jan 2019 – May 2019

- Collaborated with *Inspur Inc.* to accomplish the classification of 4.5 million goods
- Built a web front end as well as a query system to demonstrate our classification result
- Established models like LSTM, GRU, Text-CNN to reach the accuracy of 85% on test set and optimized the embedding layer with Word2Vec

SELECTED AWARDS

Second-Class Scholarship ×3

Rank: 10/140, top 7%

SWJTU

Second-Prize, School Programming Competition ×2

Rank: 7/90, top 8%

SWJTU

Provincial Second-Prize of Program Design

Rank: 29/250, top 12%

LanQiao Cup

Mini Marathon Competition (6km)

Rank: 11/450, finished in 27 min

U-RUN

TECHNICAL SKILLS

Programming Languages: Golang, C++, Python, MySQL, Shell, JavaScript

Tools and Frameworks: Git, Vim, LaTeX, RPMbuild, Echarts, Flask, SpringBoot, Pandas

ENGLISH PROFICIENCY

TOEFL: 105 (reading:29, listening:29, writing: 24, speaking: 23)

GRE: 323 (Verbal:156, analytical writing: 3.5)