

Haifeng Shi

[email](#) | [github](#) | [blog](#)

EDUCATION

Southwest Jiaotong University

B.E. in Computer Science and Technology

Chengdu, China

Sep 2016 – Jul 2020

- **GPA:** 87(3.6/4.0), Last 2 Year GPA: 89
- **Course Highlight:** C++(96), Computer Composition(94), MicroComputer(94), CG(93)

EXPERIENCE

Software Engineer

CDN scheduling group, Huawei Cloud

Jul 2020 – Jul 2021

Chengdu, China

- I Was mainly Responsible for 2 cloud services, one is Hyper-DNS, another is Auto-Schedule.
- Hyper-DNS: Created HTTP-302 microservice to better schedule users' requests to edge servers; implemented a caching and asynchronous querying strategy to reach high QPS; Proposed a more accurate load-distributing algorithm for our DNS
- Auto-Schedule: Optimized the complexity of the max-flow algorithm by using pprof; made tools for visualizing the flow result for quicker troubleshooting; extended the algorithm by considering the 95 charging policy and bandwidth cost
- Participated as a secretary when collaborating with Prof. Stefen Schmid on topic Resource Popularity Prediction; translated our product documents, illustrating the scheduling strategy of our CDN
- In charge of new employee management for a half year, including organizing monthly group meetings, receiving their feedback and resolving their questions

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 (AIS data); the result is the traffic fundamental diagram of Singapore port

PROJECT

Multi-objective Evolutionary 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](#) which supports the visualization of the community detection result (Advised by Prof. Hongmei Chen)

AWARDS

Excellent New Employee; Year 2020 Performance Appraisal: A

Top 15%

Huawei Cloud

Second-Prize, School Programming Competition

Rank: 7/90

SWJTU

Provincial Second-Prize of Program Design

Rank: 29/250

LanQiao Cup

Mini Marathon Competition (6km)

Rank: 11/450

U-RUN

TECHNICAL SKILLS

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

Tools and Frameworks: Git, Vim, L^AT_EX, Echarts, Flask, Pandas

CERTIFICATE

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

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

Huawei-Professional-Trustworthy-Software-Certificate(Golang)