Curriculum Vitae
Yi Zhao
Southern University of Science and Technology

Computer Science and Engineering

EDUCATION

Southern University of Science and Technology
2016-Present Major in Computer Science and Technology

GPA 3.89/4.00 (Overall 1/144, 1st position in Computer Science and Engineering Department)

Get the highest score in *C/C++ programming*, *Discrete Mathematics*, *Digital Logic*, *Midterm of Computer Network*, *Operating System* (core courses in my major) and *General Biology* among Grade 2016 students

ENGLISH STANDARD TESTS

JUN 2017 **CET4**: 573

DEC 2017 **CET6**: 602

FEB 2019 **TOEFL**: 90

AWARDS & HONORS

Dec 2018 ACM-ICPC Asia East-Continent Final Site 2018 Bronze Medal

Nov 2018 ACM-ICPC Asia Regional Contest Xuzhou Site 2018 Bronze Medal

Oct 2018 China Collegiate of Computing Contest (WeChat Mini Program Developing), second class medal in Southern China Region

May 2018 ACM-ICPC Asia Regional Contest Xiangtan Site 2018 Bronze Medal

May 2018 Guangdong Collegiate Programming Contest (gdcpc) 2018 Bronze Medal

May 2018 Guangdong Collegiate Programming Contest (gdcpc) 2018 5th Group

Apr 2018 "Jing Chi Technology Cup" ACM Programing Contest 2018 Bronze Medal

Sept 2018 First class Merit-Based Undergraduate Scholarship, SUSTech

Sept 2017 First class Merit-Based Undergraduate Scholarship, SUSTech

July 2018 Second class EIC scholarship, Shuren College

July 2017 Third class EIC scholarship, Shuren College

RESEARCH EXPERIENCE

Cloudberry: A bigdata visualization Platform   *June 2019-Oct 2019*

University of California, Irvine, Donald Bren School of Information and Computer Sciences

- Big data visualization based on incremental and hierarchical structure.

Consecutive Region on Top-k query in Database   *Sept 2018-Present*

SUSTech, Department of Computer Science and Engineering

- Trying to find an optimization and exact algorithm on the top-k query in database on consecutive regions.
- One research paper currently in progress.

Formation flight of unmanned aerial vehicles   *June 2018-Present*

SUSTech, Department of Electrical and Electronic Engineering

- Developing communication protocol design among the multiple UAVs.
- Trying to implement computer vision algorithms to guide the flying route of the formation flight of UAV as leader of vision group in SUSTech UAV team.
- China innovation and entrepreneurship training program for college students in progress.

Design and Implementation of Intelligent Routing Service Supported by BDS and GIS

SUSTech, Department of Computer Science and Engineering   *Oct 2018-Jan 2019*

- Implemented an intelligent routing program based on ArcGIS and BeiDou Navigation Satellite System, which can provide routing service in crowded places such as large urban amusement parks.
- One demonstration paper is published.

Machine learning hardware efficiency optimization based on TensorFlow   *Sept 2018-Present*

SUSTech, Department of Computer Science and Engineering

- Implementing a hierarchical model for device placement and combine heuristic method and reinforce learning to solve the demand for computing resource in current machine leaning process.

Intelligent Course recommendation system   *Sept 2018-Present*

SUSTech, Department of Computer Science and Engineering

- Implementing the visualization of curriculum schema.
- Course recommendation system based on Artificial Intelligence and Machine Learning.
- Pre-course selection system for course arranging optimization.
- China innovation and entrepreneurship training program for college students in progress. (Group leader)

Kindlin2 protein effect on cell communication and integrin activation   *Sept 2017-Mar 2018*

SUSTech, Department of Biology

- Finding the connection between kindlin-migfilin-filamin protein complex and integrin activation.

PUBLICARIONS

[1] Yalan, Wang, Zhanao, Zhao, **Yi, Zhao**, Shuying, Zhang, Xu Yang, and Ji Jian

"Design and Implementation of Intelligent Service Ring Supported by BDS and GIS" *Computer Technology and Development*, 2019

SKILLS&INTERESTS

Computer Skills:

- *Language:* C/C++, Java, python, MATLAB, SQL, C#, MIPS, Verilog, Linux (Unix) shell programming, LaTeX, markdown.

- *Tools:* GitHub, Wireshark, Eolinker, Selenium, SolidWorks, mockup, AutoCAD.

Interests:

- Running: 10km school round, 2 times a week

- Router configuring and network constructing.

- Debating

EXTRACURRICULAR ACTIVITIES

State Grid Corporation of China backend database developing   *July 2017- Sept 2017*

Luoyang, Henan, State grid

Student Assistant of CSE in SUSTech (*Programming Principle, Database*)   *Mar 2018-Present*

SUSTech, Department of Computer Science and Engineering

Peer mentor of Shuren College in SUSTech   *Sept 2017-Present*

SUSTech, Shuren college

Blood devotion, cumulative more than 800cc   *Sept 2017-Present*

Shenzhen, Guangdong, Shenzhen Blood center

Volunteer work in 19th World Botanic Congress   *July 2017*

Shenzhen, Guangdong, International Association of Botanical and Mycological Societies