

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 1/115, 1st position in Computer Science Department)

Get the highest score in *Discrete Mathematics*, *Midterm of Computer Network* (core courses in my major) and *Biology Principle* among Grade 2016 students

ENGLISH STANDARD TESTS

JUN 2017 CET4: 573

DEC 2017 CET6: 602

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 (gdpc) 2018 5th Group

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

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

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.
- One research paper currently in progress.

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

SUSTech, Department of Electrical and Electronic Engineering

- UAV (unmanned aerial vehicles) are widely used nowadays. In some practical scene, formation flight of UAV is required as to execute some tasks that a single one cannot do.
- Developing communication protocol design among the multiple devices.
- 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.

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.
- One innovation Fund Project in progress. (Group leader)

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.

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.

SKILLS&INTERESTS

Computer Skills:

- *Language:* C++, JAVA, python, C#, SQL, MIPS, Verilog, Linux (Unix) shell programming, LaTeX, markdown.
- *Tools:* Wirshark, Eolinker, Selenium, Github, 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 computer program principle in SUSTech

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

Shenzhen Blood center

Volunteer work in 19th World Botanic Congress

SUSTech