

# Curriculum Vitae

Yi Zhao

Southern University of Science and Technology

Computer Science and Technology

## EDUCATION

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### **Southern University of Science and Technology**

*2016-Present* Major in Computer Science and Technology

GPA 3.89/4.00 (Overall 1/145, 1<sup>st</sup> 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

### **University of California, Irvine**

*June 2019- Sept 2019* Major in Computer Science and Technology

GPA 4.00/4.00

## ENGLISH STANDARD TESTS

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*DEC 2017* **CET6**: 602

*FEB 2019* **TOEFL**: 90

## AWARDS & HONORS

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*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 Bronze Medal

*Apr 2018* “Jing Chi Technology Cup” ACM Programing Contest 2018 Bronze Medal

*Sept 2019* First class Merit-Based Undergraduate Scholarship, SUSTech

*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

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### **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.

## PUBLICATIONS

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[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

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### 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.

### Interests:

- Jogging
- Router configuring and network constructing.

## EXTRACURRICULAR ACTIVITIES

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**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*