**Curriculum Vitae**

**Yi Zhao**

Southern University of Science and Technology

Computer Science and Engineering

**EDUCATIONSouthern 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*