

JIAYUAN YE

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BASIC INFO

University of Science and Technology of China
B.S. in Computational Mathematics
School of Mathematical Sciences

graduating in June 2020

GRADES AND STANDARDIZED TESTS

Overall GPA: 3.73

Current Ranking: 7/55

TOEFL iBT: 111(total) 30(reading) 29(listening) 25(speaking) 27(writing)

GRE: 154(Verbal)+167(Math)+3.5(AW)

AWARDS AND ACHIEVEMENTS

In Sep 2016, I won Bronze Prize for outstanding Freshmen Scholarship.

In September 2017, I was awarded National scholarship(**TOP 1%**).

In Feburary 2018, I took part in ICM held by COMAP and won Meritous Winnner prize(**TOP 10%**).

In Sep 2018, I won the Yuanqin Harvest moon Sci-Tech scholarship(**3%**).

EDUCATIONAL EXPERIENCES

Engineering department

undergraduate

August 2016 - July 2017

USTC

- Entered USTC as an Engineering student and received National Scholarship for excellent academic performance

School of Mathematics

undergraduate

July 2017 - June 2018

USTC

- In June 2017, I passed the examination for changing my major and got transferred to the School of Mathematics.

Summer Institute at Oxford

student

July 2018 - August 2018

Oriel College, Oxford

- I studied 4 courses in this summer Institute program:

AI with focus on search-Part 1, AI with focus on search-Part 2(93), quantum computing(98), numerical analysis&image processing and ontologies(96).

Division of Information and Computing Sciences

undergraduate

Aug 2018 - Now

USTC

- In June 2018, I chose Information and Computing Sciences as my specialization.

TEACHING EXPERIENCES

Multivariable Calculus

Teaching Assistant

Feb 2019 - July 2019

USTC

- In 2019 Spring, I served as one of the three TAs for Assoc. Prof. Wang Jianwei's course "*Multivariable Calculus*", and I maintained the [course website](#).

RESEARCH EXPERIENCES

Robogame Competition

undergraduate

August 2016 - July 2017

USTC

From June 2017 to October 2017, my team took part in the [RoboGame competition](#) held by the engineering department of our school and the robot club. We constructed a robot doing traditional Chinese paper-cutting.

The Interdisciplinary Contest in Modeling

undergraduate

July 2017 - June 2018

USTC

- In Feburary 2018, my team [took part in the the Interdisciplinary Contest in Modeling\(ICM\)](#) held by COMAP. We applied neural network to problem E and built a model evaluating the effect of various factors to a region's overall fragility. And we got Meritorious Winnner prize.

Undergraduate Research Program

AONT, perfect secrecy, finite field

Aug 2018 - Now

USTC

- [Undergraduate Research Program](#) Starting from Dec. 31. 2018, I started working on a undergraduate research program under the guidence of Prof. XiandeZhang. The project mainly covers the relation between AONT, orthogonal arrays and exposure-resilient functions.

Cryptanalysis Taskforce research team

research intern

July 2019 - Oct 2019

Nanyang Technological University

- [Project:Preimage attacks on Keccak](#) Under the supervision of Assist. Prof. Guo Jian, I worked on a project studying the preimage attacks on KECCAK(A family of hash functions that won the SHA-3 competition in 2012).

TECHNICAL STRENGTHS

Computer Languages

C/C++, python, matlab

Mathematical software

Mathematica, Sage

Tools

latex

MISCELLANEOUS

Languages

Chinese, English

Hobbies

calligraphy, GuZheng

Sports

swimming, badminton