JIAYUAN YE

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EDUCATION

University of Science and Technology of China　　　　　　　　*August 2016-Present*

Major: Computational Mathematics (junior)

Overall GPA: 3.79 (Rank 7/58)

TOEFL iBT: 104(total) 30(reading) 27(listening) 23(speaking) 24(writing)

GRE: 154(Verbal)+168(Math)+3(AW)

Core Courses:

1. **General Math Courses**: Mathematical Analysis A1,A2,A3(88,91,90), Linear Algebra B1,B2(95,90), Probability Theory(97), Modern Algebra(92), Real Analysis(86), Differential Equation 1(86), Complex Analysis(85), Functional Analysis(88), Differential Geometry(87)

2. **Major Math Courses**: Numerical Algebra(98), Mathematical Statistics(85), Mathematical Experiments(A), Combinatorics(79)

3. **CS Relating Courses**: Computer Programming A(88), Data Structure and Database(91), Introduction to Computer Systems(H)(88), Algebraic Structure(94), Computer Graphics(92), The Methodology of VR

4. **Physics Courses**: Mechanics and Thermal Physics(85), Electromagnetism B(86), Optics and Atomic Physics, College Physics Experiment 1&2

5. **other Courses**: Design and Practice of Robot(A), Mechanical Drawing and CAD(92), Electrical Engineering(95)

A SHORT BIOGRAPHY

Engineering department　　　　　　　　　　　　　　　　　August 2016 - July 2017
undergraduate　　　　　　　　　　　　　　　　　　　　　　　　　　　　*USTC*

· Robogame Competition 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.

School of Mathematics　　　　　　　　　　　　　　　　　　　July 2017 - Present
undergraduate　　　　　　　　　　　　　　　　　　　　　　　　　　　　*USTC*

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

· Paticipating in ICM 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 Meritous Winnner prize.

· Computer Graphics Class Project In May 2018, my team did a 3-week project for our computer graphics class. We constructed a tower defense game using Unity 3D and we focused on making buildings with intresting geometry.

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

Summer Institute at Oxford   July 2018 - August 2018
student   *Oriel College, Oxford*

· I sutdied 4 course: 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).

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%**).

In Nov 2018, I won bronze prize for excellent student scholarship in USTC.

In August 2018, I won the scholarship for excellent academic performance during Summer Institute at Oriel, Oxford.

TECHNICAL STRENGTHS

Computer Languages	C/C++, python, html
Mathematical software	Matlab, Mathematica, Sage
Tools	latex