


Personal Basic information:

Name	JingAn Sun	Birth	1999.01.18		
College	Fudan University	Major	Nuclear Engineering and Technology		
GPA	3.44/4	Rank	6/34	CET 6	563
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Honors and Awards:

- The 10th National College Student Mathematics Competition (non-mathematics) First Prize
- 2019 "Shenzhen Cup" Mathematical Modeling Challenge Shanghai Region Third Prize
- 2018-2019 Outstanding Undergraduate Student Scholarship Third Prize
- 2018-2019 Dong Lin Alumni Scholarship
- 2019-2020 Outstanding Undergraduate Student Scholarship Third Prize
- National Inspirational Scholarship for 2019-2020 Academic Year
- 2020 National College Students Mathematical Contest in Modeling, Shanghai Division, Undergraduate Category Third Prize

Research Experience:

- Institute of High Energy Physics, Chinese Academy of Sciences: CMS machine learning science and innovation project: Train Particle Flow Network to classify Z decay mode. The classification accuracy reaches 95%, and I will use training result to study a new method of measuring R value
- Multi-body computation: Use GCM (Generate Coordinate Method) to calculate the energy and wave function of multiple Harmonic oscillators with interaction

Main Courses:

Course	Grade	Textbook
Advanced Mathematics A (Part 1)	A	同济大学数学系 高等数学 上册
Advanced Mathematics A (Part 2)	A	同济大学数学系 高等数学 下册
Atomic physics	A	杨福家 原子物理学

Nuclear physics	A-	卢希庭 原子核物理 杨福家 原子核物理
Nuclear radiation detection and measurement methods	A	教师自编讲义
Theoretical Physics (Part 1)	A-	金尚年 马永利 理论力学 汪志诚 热力学 统计物理
Theoretical Physics (Part 2)	A	郭硕鸿 电动力学 钱伯初 量子力学 苏汝铿 量子力学
Engineering Mathematics A	A-	姚慕生 吴泉水 谢启鸿 高等代数学 Dimitri P.Bertsekas Introduction to Probability
Mathematical Physics Method A	A-	胡嗣柱 倪光炯 数学物理方法
Nuclear related basic experiment I	A-	教师自编讲义
Principles of Mathematical Analysis	B+	Walter Rudin Principle of Mathematical Analysis
Differential equation	B+	楼红卫 林伟 常微分方程
Introduction to Random Processes	B+	方兆本, 缪柏其 - 随机过程
Solid state physics		黄昆原著 韩汝琦改编 固体物理 阎守胜 固体物理学基础 Ashcroft_Mermin Solid State Physics
Particle physics		David Griffiths Introduction to Elementary Particles Mark Thomson Modern Particle Physics
Quantum Mechanics II	Audit	Yuli V. Nazarov Advanced Quantum Mechanics J. Sakurai Modern Quantum Mechanics 喀兴林 高等量子力学
Statistical Physics II	Audit	苏汝铿 统计物理学