Ren Wang

A simple CV

Education

2014–2017 **High School**, *Wuhu No.1 Middle School*, Wuhu, Anhui.

2017– **B.S.**, *Southern University of Science and Technology (SUSTech)*, Shenzhen. Ongoing

Undergraduate Math Courses

Past

2017–2018 **Calculus I-A**, *Fall Semester*.
Textbook: *Thomas' Calculus*.

2017–2018 **Linear Algebra I-A**, *Fall Semester*.
Textbook: *Linear Algebra and Its Applications* by Gilbert Strang.

2017–2018 **Calculus II-A**, *Spring Semester*.
Textbook: *Thomas' Calculus*.

2017–2018 **Linear Algebra II**, *Spring Semester*.
Textbook: *Linear Algebra Done Right*.

2018–2019 **Elementary Number Theory**, *Fall Semester*.
Textbook: *Elementary Number Theory* by Kenneth H. Rosen.

2018–2019 **Probability and Statistics**, *Fall Semester*.
Textbook: *Mathematical Statistics and Data Analysis* by John A. Rice.

2018–2019 **Real Analysis**, *Fall Semester*.
Textbook: *Principles of Mathematical Analysis* by Walter Rudin.

2018–2019 **Ordinary Differential Equations**, *Spring Semester*.
Textbook: *Elementary Differential Equations and Boundary Value Problems* by Boyce & Diprima.

2018–2019 **Complex Analysis**, *Spring Semester*.
Textbook: *Complex Analysis* by Stein & Shakarchi.

2018–2019 **Abstract Algebra**, *Spring Semester*.
Textbook: *Abstract Algebra* by Dummit & Foote.

2019–2020 **Pritial Differential Equation**, *Fall Semester*.
Textbook: Prof. Tao Tang and Xuefeng Wang's course notes.

2019–2020 **Algebra(Graduate)**, *Fall Semester*.
Textbook:*Algebra* by Hungerford(GTM73).

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2019–2020 **Theory of Real Variable Functions**, *Fall Semester*.
Textbook:*Real Analysis* by Stein.

2019–2020 **Topology**, *Fall Semester*.
Textbook:*Topology* by Munkres.

2019–2020 **Mathematical Communications in English(Graduate)**, *Fall Semester*.
A graduate course for training writing and speaking skills in English.

Next Semester

2019–2020 **Commutative Algebra(Graduate)**, *Spring Semester*.
Textbook:*Commutative Algebra* by Atiyah & Macdonald

2019–2020 **Algebraic Topology(Graduate)**, *Spring Semester*.
Textbook:*Algebraic Topology* by Hatcher.

2019–2020 **Differential Geometry**, *Spring Semester*.
Textbook:TBD

2019–2020 **Algebraic Geometry(Graduate)**, *Spring Semester*.
Textbook:*Algebraic Geometry* by Hartshorne(GTM52).

2019–2020 **Audit: Differential Manifolds(Graduate)**, *Spring Semester*.
Textbook:*Introduction to Smooth Manifolds* by John Lee.

Languages

Mandarin	Mother Tongue	*Taught by my mother*
English	TOEFL: 102=R29+L28+S22+W23	*12 years of school education*
Japanese	Fundamental reading/listening, cannot speak/write	*Learned by watching anime*
French	Beginner	*Taken a bigenner level course*

Computer skills

Java	Taken a course for a semester	C/C++	Taken a course for a semester
LaTeX	Fluent user with help of Google	Linux	A little experience
Python	Beginner	MATLAB	Beginner

Math Knowledge Learned/Learning by Myself

2018–2019 **Analysis on Manifolds**, *Fall Semester*.
Chapter 1-6 of Munkres' book.

2018–2019 **Analytical Number Theory**, *Fall Semester*.
The whole book of Apostol, skipped the parts using complex analysis.

2018–2019 **Mathematical Modeling**, *Winter Vacation*.
Participated in 2019 MCM/ICM contest.

2018–2019 **Lebesgue Measure Theory**, *Winter Vacation*.
Read a few chapters of a thin Chinese textbook at home.

2018–2019 **Algebra**, *Spring Semester*.
Chapter 0-2 of Hungerford's book.

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2018–2019 **Group and Symmetry**, *Spring Semester*.
Read Armstrong's book.

2018–2019 **Group Representaion**, *Spring Semester*.
Attended a weekly student seminar.

2019–2020 **Category Theory**, *Fall Semester*.
Attended a weekly student seminar.

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