RUIYAN MAGGIE HUANG

Mathematics, Astrophysics, Art History

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EDUCATION

Suzhou Foreign Language School

📅 Sep 2016 – May 2018

United World College Changshu China

📅 Aug 2018 – May 2019

Pearson College UWC
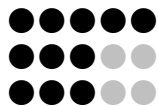
📅 Aug 2019 – present

HONORS& REWARDS

- May 2019, top 5%, Euclid Mathematics Contest by University of Waterloo
- March 2019, Second price, China Thinks Big Second
- 2018, Third Place, ICP Workshop Global Final (Innovation and Challenge Projects for Teenagers)
- 2018, First Prize (China), Math League, qualified for US Final (at Stanford) and its Math Camp (co-held by the Departments of Mathematics of Princeton University, Columbia University and Williams College)
- 2017, Second Price, Jiangsu Junior High School Mathematics Competition
- 2017, Second Place (Global Final), The Berkeley Mini Math Tournament (BmMT)

LANGUAGES & SKILLS

Chinese, English   ●●●●●
Python, LaTeX   ●●●●○○
Spanish   ●●●○○○

EXPERIENCE

Exeter Summer Program

📅 Jul 2018–Aug 2018

- Take a 5-week long class on Relativity and Quantum Mechanics.
- Read the book *Dark Matter and Dinosaurs* by Harvard astrophysicist Lisa Randall, and *Relativity Simply Explained* by Martin Gardner.

Canada/USA Mathcamp

📅 Jun 2019–Jul 2019

- Study immersive mathematics with talented mathmeticians from the world.
- Mainly dived into point-set topology and graph theory.
- Other classes include Cluster Algebra, Groups, Rings & Fields, Linear Algebra, Knot Theory, Non-Euclidean Geometry, Game Theory, Polytopes and polyhedra, Category Theory, Euler-Poincare Formula, Root System, Young Tableaux, Morse Theory, Manifolds, Markov Triples, and some introduction to Cohomology.

Algebraic Geometry Online Program

📅 Sep 2019 – present

- 18 hours per week online lectures and workshop, 6 weeks
- Lecture contents include: Algebraic Varieties, Ringed Spaces, Projective Varieties, Grothendieck's Schemes, and the Applications of Scheme Theory