Ruihua Wang

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Employment

2025–present	*Lecturer*, Fundamental Science, Hainan Bielefeld University of Applied Sciences (BiUH).
2023–2025	*Senior Engineer & Product Manager*, Huawei.

Education

2018–2022	*Ph.D. in Mathematics*, Leiden University. Supervisors: David Holmes, Robin de Jong.
2015–2018	*M.S. in Mathematics*, Shandong University.
2011–2015	*B.S. in Mathematics*, Shandong University.

Publications

[1] *Large values of quadratic character sums revisited* (with Zikang Dong, Weijia Wang, and Hao Zhang), arXiv:2512.24147.

[2] *Note on large quadratic character sums* (with Zikang Dong, Yutong Song, and Shengbo Zhao), submitted, arXiv:2510.09005

Grants and Awards

2018-2022	CSC Scholarship.
2012	2nd *prize*, The Chinese Mathematics (preliminary) Competitions.
2012	2nd *prize*, The Shandong Mathematics Competitions.
2011	2nd *prize*, The National Mathematical Olympiad in Senior.

Seminars and Talks

2020	*Log geometry seminar*, Leiden.
2020	*Topics in algebraic geometry, one talk on Excellent rings*, Leiden.
2019	*Étale cohomology seminar*, Leiden.
2019	*Topics in algebraic geometry, two talks on the T^i functors and formal smoothness*, Leiden.
2019	*Around Moduli Spaces, one talk on analysis and moduli*, Saarland.
2017	*Advanced analytic number theory, two talks on Möbius disjointness*, Jinan.

Research Visits

2026	*Soochow University*, Suzhou.
2022	*International Congress of Mathematicians (ICM 2022)*, Zürich.
2021	*CMI-HIMR Summer School in Computational Number Theory*, Bristol.
2020	*Arizona Winter School in Nonabelian Chabauty*, Tucson.
2019	*Non-Archimedean and Tropical Geometry*, Regensburg.
2018-2022	*Diamant Symposium (annually)*, The Netherlands.
2018-2022	*Intercity Number theory/ Geometry Seminar (regularly)*, The Netherlands.
2018-2022	*Netherlands Mathematical Congress (annually)*, The Netherlands.

Teaching

2025	*Calculus*, Instructor, BiUH.
2021	*Algebraic Curves*, TA, Leiden University.
2017	*PDE*, TA, Shandong University.
2016	*Basic Number Theory*, TA, Shandong University.

Skills

Languages	Chinese (native), English (fluent).
Programming	LaTeX; SageMath; Magma; Python.

Last updated: January 9, 2026