

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), submitted for publication, [arXiv:2512.24147](#).
[2] *Note on large quadratic character sums* (with Zikang Dong, Yutong Song, and Shengbo Zhao), submitted for publication, [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

- 2026** *Explicit computation of the Beilinson–Bloch height for non-hyperelliptic curves* Number Theory Seminar, Soochow University.
2023 *Number theory from scratch* Knowledge Sharing Colloquium, Shanghai.
2020 *Log geometry seminar*, Leiden University.
2020 *On excellent rings* Topics in algebraic geometry, Leiden University.
2019 *Étale cohomology seminar* University of Amsterdam.
2019 *On the T^i functors and formal smoothness* Topics in algebraic geometry, Leiden University.
2019 *On analysis and moduli* Around Moduli Spaces, Saarland University.
2017 *Advanced analytic number theory, two talks on Möbius disjointness*, Shandong University.

Research Visits

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

Teaching

2026	<i>Math II (Multivariable Calculus and Linear Algebra)</i> , Instructor, BiUH.
2025	<i>Math I (Single Variable Calculus)</i> , Instructor, BiUH.
2021	<i>Algebraic Curves</i> , TA, Leiden University.
2017	<i>PDE</i> , TA, Shandong University.
2016	<i>Basic Number Theory</i> , TA, Shandong University.

Skills

Languages	Chinese (native), English (fluent).
Programming	L <small>A</small> T <small>E</small> X; SageMath; Magma; Python.

Last updated: January 15, 2026