

# 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**            *2<sup>nd</sup> prize*, The Chinese Mathematics (preliminary) Competitions.  
**2012**            *2<sup>nd</sup> prize*, The Shandong Mathematics Competitions.  
**2011**            *2<sup>nd</sup> 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

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

## Teaching

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

## Skills

<b>Languages</b>	Chinese (native), English (fluent).
<b>Programming</b>	$\LaTeX$ ; SageMath; Magma; Python.

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Last updated: January 15, 2026