

# Zengrui Han | Curriculum Vitae

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## Education

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**Rutgers, the State University of New Jersey**

*Ph.D. Student in Mathematics,*

**New Brunswick, NJ**

*September 2020–Present*

**University of Science and Technology of China (USTC)**

*Bachelor of Sciences in Mathematics,*

**Hefei, China**

*September 2016–July 2020*

## Research Interests

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Algebraic Geometry, especially Mirror Symmetry and related areas.

## Publications

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- [1] Zengrui Han. Analytic continuation of better-behaved GKZ systems and Fourier-Mukai transforms. *arXiv:2305.12241*, 2023.
- [2] Lev Borisov and Zengrui Han. On hypergeometric duality conjecture. *arXiv:2301.01374*, 2023.
- [3] Lev Borisov, Zengrui Han and Chengxi Wang. On duality of certain GKZ hypergeometric systems. *Asian Journal of Mathematics*, 25(1):65–88, 2021.

## Talks

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- Rutgers Algebra Seminar, February 2023.

## Teaching

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**Rutgers, the State University of New Jersey**

- Math 244: Differential Equations for Engineering and Physics, TA, Spring 2023
- Math 354: Linear Optimization, TA, Fall 2022
- Math 501: Theory of Functions of a Real Variable I, Grader, Fall 2022
- Math 251: Multivariable Calculus, Grader, Summer 2022
- Math 251: Multivariable Calculus, TA, Spring 2022
- Math 251H: Multivariable Calculus, Teaching Assistant, Fall 2021
- Math 503: Theory of Functions of a Complex Variable I, Grader, Fall 2021

**University of Science and Technology of China**

- Foundation of Algebra, Teaching Assistant, Fall 2019
- Modern Algebra, Teaching Assistant, Spring 2019

- Foundation of Algebra, Teaching Assistant, Fall 2018

## Honors and Awards

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- Huang Yu Memorial Scholarship, 2019
- Outstanding Student Scholarship, Silver Award, 2017 & 2018
- Chinese Mathematical Olympiad (CMO), Bronze Medal, 2015