

# Yilong Zhang

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## EDUCATION

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### Rhenish Friedrich Wilhelm University of Bonn

- Doctoral Candidate in Mathematics
- Advisor: Prof. Dr. Philipp Hieronymi

**Bonn, Germany**  
October 2023 – Now

### Rhenish Friedrich Wilhelm University of Bonn

- Master of Science in Mathematics
- Overall Grade: 1.2/1.0

**Bonn, Germany**  
October 2020 – July 2023

### Chinese University of Hong Kong, Shenzhen

- Bachelor of Science in Mathematics
- with Honours, First Class (Major GPA: 3.70/4.00)

**Shenzhen, Guangdong, China**  
September 2016 – May 2020

### University of Pennsylvania

- Penn Summer Global Institute

**Philadelphia, PA, United States**  
June 2018 – August 2018

## EXPERIENCES

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### Teaching Assistant in Geometric Stability

October 2024 – January 2025

### Teaching Assistant in Tame Geometry

April 2024 – July 2024

### Master's Thesis on Hrushovski Constructions

- Adapted Poizat's theory of green points to real closed fields
- Proved that the real field with dense logarithmic spirals is a model

May 2022 – May 2023

### Practical Project in Mathematical Logic

- Formalized Rudin's Mathematical Analysis in automated theorem prover Naproche

June 2022 – September 2022

### Teaching Assistant in Topology

January 2020 – May 2020

### The Mathematical Contest in Modeling

- Won M Prize

January 2019

## SKILLS

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- Language: English (TOEFL 110), Chinese (Native)
- Computer: LaTeX, C++, Python