

# Zhixiang Wu

## Curriculum Vitae

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📁 [wzxmath.github.io](https://wzxmath.github.io)

### Education

- 2019–2022 **Phd student in mathematics**, Thesis advisor: Benjamin Schraen, Université Paris-Saclay, Orsay.
- 2018–2019 **Master(M2) in Arithmétique, Analyse, Géométrie**, Université Paris-Sud, Orsay.
- 2014–2018 **Bachelor of Science in Pure and Applied Mathematics**, Tsinghua University, Beijing.

### Positions

- 2022–now **Postdoc**, Mentor: Eugen Hellmann, Westfälische Wilhelms-Universität Münster, Münster.

### Papers

#### Publications

1. A note on presentations of supersingular representations of  $GL_2(F)$ . *manuscripta math.* 165, 583-596 (2021).
2. Companion points on the eigenvariety with non-regular weights. *International Mathematics Research Notices*, 2022.

#### Preprints

3. Local models for the trianguline variety and partially classical families. (2021)

### Talks

- 15/02/2022 Algebra Number theory seminar at University of Arizona, online
- 14/12/2021 Journées Arithmétique du LAGA, Villetaneuse
- 01/06/2021 Séminaire Arithmétique et Géométrie Algébrique, Orsay
- 19/04/2021 UCLA Number Theory Seminar, online.
- 13/04/2021 University of Münster, online.
- 07/04/2021 POINTS - Peking Online International Number Theory Seminar, online.
- 23/11/2020 Paris-London Number Theory Seminar, online.
- 30/11/2019 Séminaire MathJeunes, Jussieu, Paris.

### Teaching

- Aut. 2021 TD of Math 1: Calculus, Université Paris-Saclay, Orsay

### Services

- Reviewer *zbMATH*, *MathSciNet*
- Referee *manuscripta mathematica*, *Peking Mathematical Journal*
- 2020-2022 Co-organizer of Mathjeunes seminar

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## Experience

- Spr. 2019 **Master thesis**, Université Paris-Sud, Orsay.  
Master thesis advisor: Benjamin Schraen  
Title: Mod- $p$  representations of  $p$ -adic Lie groups
- Spr. 2018 Exchange program of Ecole Normale Supérieure, Ecole Normale Supérieure, Paris.  
Undergraduate thesis supervisor: Jean-François Dat
- 2018-2019 Master scholarship of The Mathematics Foundation Jacques Hadamard (FMJH)
- 08/2017 S.T.Yau college student mathematics contests, Silver Prize in Algebra and Number Theory.
- 2015-2018 Tsinghua Xue Tang Ban Program in Mathematics.

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## Skills & Languages

- Skills C/C++, Matlab, Mathematica, SageMath, Macaulay2, L<sup>A</sup>T<sub>E</sub>X
- Languages Chinese, English, French(basic)