

# Shuaishuai Duan

Email: shduan@edu.hse.ru

Institution: Higher School of Economics, Moscow

## Interests

Langlands Program, Algebraic Number Theory, Representation Theory, Arithmetic Geometry

## Education

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|-------------------|--|
| 09/2021 – Present | <b>Higher School of Economics</b> – Moscow, Russia<br>Master in Mathematics<br>Faculty of Mathematics<br>Supervisor: Marat Rovinsky                    |
| 09/2020 – 07/2021 | <b>University of Reading</b> – Reading, UK<br>Bachelor in Mathematics<br>Department of Mathematics and Statistics<br>Supervisor: John Evens            |
| 09/2017 – 07/2020 | <b>Nanjing University of Information Science and Technology</b> – Nanjing, China<br>Bachelor in Mathematics (Double degree program)<br>Reading Academy |

## Term paper and graduation thesis

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|------|---|
| 2022 | Term paper: Representations of Totally Disconnected Locally Compact Groups              |
| 2021 | Bachelor thesis: Representation Theory and Representations of $GL(2, \mathbb{F}_{p^n})$ |

## Activities

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| 28/08/2022-02/09/2022 | <b>Automorphic Forms Summer School (Erdős Center - Alfréd Rényi Institute of Mathematics)</b><br>Contents: Introduction to the p-adic Langlands Program, modular forms, sphere packing, and energy minimization, equidistribution in automorphic families, estimates for L-functions |
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- 01/2021- **Arizona Winter School (The Southwest Center for Arithmetic Geometry)**  
05/2021 Contents: Modular forms, modular groups, quadratic forms, local-global principle
- 09/2020- **Frontier Courses for Postgraduates (Guangxi Center for Mathematical**  
12/2020 **Research)**  
Contents: Representation theory