

Daniel Hu

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Research Interests

Arithmetic geometry, automorphic representation theory, and p -adic Hodge theory.

Education

Harvard University

Ph.D. in Mathematics

Cambridge, MA

Sep 2023 - Present

Princeton University

Bachelor of Arts in Mathematics

Princeton, NJ

Sep 2019 - May 2023

- Highest honors, GPA: 4.0/4.0. Senior thesis advisor: Shou-Wu Zhang.

Publications

- [3] *Modular forms and an explicit Chebotarev variant of the Brun–Titchmarsh theorem* (with H. R. Iyer and A. Shashkov). Research in Number Theory 9 (2023) no. 46.
- [2] *On a Mertens-type conjecture for number fields* (with I. Kaneko, S. Martin, and C. Schildkraut). Mathematical Proceedings of the Cambridge Philosophical Society, to appear.
- [1] *Order of zeros of Dedekind zeta functions* (with I. Kaneko, S. Martin, and C. Schildkraut). Proceedings of the American Mathematical Society 150 (2022), 5111-5120.

Awards

Middleton Miller '29 Prize. *May 2023*

Election to the Sigma Xi chapter at Princeton University. *May 2023*

Early Election to the Phi Beta Kappa chapter at Princeton University. *Sep 2022*

Andrew H. Brown Prize. *May 2022*

Barry M. Goldwater Scholarship. *Mar 2022*

Shapiro Prize for Academic Excellence. *Sep 2021*

Shapiro Prize for Academic Excellence. *Sep 2020*

Other

Citizenship: US Citizen.