

# Daniel Hu

📍 Cambridge, MA    ✉ danielhu@math.harvard.edu

## Research Interests

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Number theory, algebraic geometry, and representation theory.

## Education

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### Harvard University

*Ph.D. in Mathematics*

*Cambridge, MA*

*Sep 2023 - Expected 2028*

### 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

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- [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

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**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

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**Citizenship:** US Citizen.