

Travis Scholl

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RESEARCH INTERESTS

- Algebraic number theory
- Elliptic curve cryptography

EDUCATION

Expected 2018 Ph.D. Mathematics, University of Washington, Seattle WA (advisor: Neal Koblitz)
 2013 B.S. Mathematics, University of Oregon, Eugene OR

AWARDS AND GRANTS

2017 Kazanci Fellowship, University of Washington
2014 Academic Excellence Award, University of Washington
2013 ARCS Fellowship, University of Washington
2013 Academic Merit Award, University of Washington

PUBLICATIONS

1. Isolated elliptic curves and the MOV attack. *Journal of Mathematical Cryptology* to appear (2017). <https://doi.org/10.1515/jmc-2016-0053>.
2. Super-Isolated Elliptic Curves and Abelian Surfaces in Cryptography. Preprint. <https://arxiv.org/abs/1705.02316>.

RESEARCH TALKS

2017 Oct. Oregon Number Theory Days, University of Oregon
2017 May. Number Theory Seminar, University of Washington

EXPOSITORY TALKS

2016 Nov. Graduate Student Seminar (1,2,3 Seminar), University of Washington
2015 Nov. Graduate Student Seminar (1,2,3 Seminar), University of Washington
2015 Aug. Graduate Student Seminar (Algebraic Geometry Club), University of Washington

CONFERENCES ATTENDED

2017 Oct. *Oregon Number Theory Days*, Eugene, OR
2016 June *SaTC Workshop on Privacy and Security*, Madison, WI
2016 Mar. *Arizona Winter School, Analytic Methods in Arithmetic Geometry*, Tuscon, AZ
2016 Jan. *Joint Mathematic Meetings*, Seattle, WA
2015 Oct. *Western Algebraic Geometry Symposium*, Seattle, WA
2015 Aug. *Sage Days 68*, Bellingham, WA
2015 May. *Sage Days 64.25*, Encinitas, CA
2015 Mar. *Arizona Winter School, Rational Points on Surfaces*, Tuscon, AZ

TEACHING

2017 Math 125 Summer Instructor
2016 Math 125 Summer Instructor
2015 Math 125 Summer Instructor
2014 Math 125 Summer Instructor
2013 – 2018 Math 124/125/126 Teaching Assistant

EMPLOYMENT

2013 – 2018 Teaching Assistant, University of Washington
2015 – 2017 Web Developer, University of Washington
2012 – 2013 Math Librarian, University of Oregon

OUTREACH

2015 – 2018 Association for Women in Mathematic, University of Washington Chapter
2016 – 2017 Mentor, Washington Experimental Mathematics Lab, University of Washington
2017 Sage Workshop Leader, Math Day, University of Washington
2017 Volunteer, Julia Robinson Math Festival, University of Washington
2016 Mentor, Google Summer of Code, University of Washington

PROGRAMMING

- I regularly use **Sage** in my research and contribute to **Sage** development.
- I program in **Go**, **Javascript**, and **Python**, and contribute to open source projects.