Travis Scholl

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RESEARCH INTERESTS

- Computational 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. Submitted. `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

PROGRAMMING

- I regularly use `Sage` in my research, and contribute to `Sage` development.

- I have written tens of thousands of lines of code in `Go`, `Javascript`, and `Python`.

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*, Tucson, 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*, Tucson, AZ

TEACHING

2014 – 2017 Math 125: Integral Calculus, Summer Instructor
2016 – 2017 Math 510A: Preliminary Exam Preparation for Graduate Students, Summer Instructor
2013 – 2018 Math 124/125/126: Calculus I - III, Teaching Assistant

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

EMPLOYMENT

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