Travis Scholl

University of Washington   `tscholl2@uw.edu`
Department of Mathematics   https://tscholl2.github.io/website/
Seattle, WA 98195, USA   U.S. Citizen
Last Updated: October 25, 2017

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

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

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

PROGRAMMING

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

- I have written tens of thousands of lines of code and built several complete web applications 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 Mathematics 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: Calculus II, Summer Instructor
2016 – 2017	Math 510A: Preliminary Exam Preparation for Graduate Students, Instructor
2013 – 2018	Math 124/125/126: Calculus I - III, Teaching Assistant

OUTREACH

2015 – 2018	Association for Women in Mathematics, University of Washington Chapter
	member and volunteer
2016 – 2017	Mentor, Washington Experimental Mathematics Lab, University of Washington
	mentor groups of undergraduate researchers
2017	Sage Workshop Leader, Math Day, University of Washington
	teach high school students about programming and math
2017	Volunteer, Julia Robinson Math Festival, University of Washington
	lead elementary school students through puzzles
2016	Mentor, Google Summer of Code, University of Washington
	mentor for a project about computing with modular abelian varieties

EMPLOYMENT

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