

# Travis Scholl

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Seattle, WA 98195, USA      American Citizen  
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## RESEARCH INTERESTS

- Algebraic number theory
- Elliptic curve cryptography

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## EDUCATION

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

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## 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

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## 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>.

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## RESEARCH TALKS

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

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## 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

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## 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

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## TEACHING

2014 – 2017 Math 125 Summer Instructor  
2016 – 2017 Math 510A Summer Instructor  
2013 – 2018 Math 124/125/126 Teaching Assistant

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## EMPLOYMENT

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

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## 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

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## 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.