

# Travis Scholl

University of Washington      [tscholl2@uw.edu](mailto:tscholl2@uw.edu)  
Department of Mathematics    [www.math.washington.edu/~tscholl2](http://www.math.washington.edu/~tscholl2)  
Seattle, WA 98195, USA        Last Updated: March 31, 2017

---

## EMPLOYMENT

2013 –            Graduate Student, University of Washington  
2015 – 2015    Contract Web Designer, Virginia Tech  
2013 – 2014    Contract Web Designer, San Diego  
2012 – 2013    Math Librarian, University of Oregon

---

## EDUCATION

2013 –            Ph.D. Mathematics, University of Washington, Seattle WA  
2011 – 2013    B.S. Mathematics, University of Oregon, Eugene OR  
2009 – 2011    Washington University in St. Louis, St. Louis MO

---

## RESEARCH INTERESTS

Number theory, arithmetic geometry, and elliptic curve cryptography. I am currently studying isolated elliptic curves in cryptography under my advisor Neal Koblitz.

---

## AWARDS AND GRANTS

2013 – 2012    Academic Excellence Award, from UW  
2013 – 2015    ARCS Fellowship, from UW  
2013 – 2014    Academic Merit Award, from UW

---

## CONFERENCES

2016    June.    *SaTC Workshop on Privacy and Security*, Madison, WI  
2016    Mar.    *Arizona Winter School, Analytic Methods in Arithmetic Geometry*, Tuscon, AZ  
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

---

## TALKS

2016    Nov.    *Special Primes in Cryptography*, University of Washington, 1,2,3 Seminar  
2015    Nov.    *Elliptic Curve Cryptography*, University of Washington, 1,2,3 Seminar  
2015    Aug.    *Neron Models*, University of Washington, Algebraic Geometry Club  
2015    June    *Abelian Varieties*, University of Washington, Algebraic Geometry Club

---

## PROFESSIONAL PRESENTATIONS

- 2011      *Teaching Abstract Algebra* Larsen, S., Johnson, E., Scholl, T. (2011). Putting Research to Work: Web-Based Instructor Support Materials for an Inquiry Oriented Abstract Algebra Curriculum. Fourteenth Special Interest Group of the Mathematical Association of America on Research in Undergraduate Mathematics Education Conference on Research in Undergraduate Mathematics Education. Portland, OR.
- 2009      *Math Education* Larsen, S., Caughman, J., Yannotta, M., Johnson, E., Rutherford, F., Scholl, T. (2009). Teaching Abstract Algebra for Understanding. A special session at The Mathematics Association of America MathFest Conference. Portland, OR.

---

## TEACHING

- 2016    June    Math 125: Calculus II  
2015    June    Math 125: Calculus II  
2014    June    Math 125: Calculus II

---

## OUTREACH

- 2016 – 2017    Mentor, WXML, University of Washington  
2016            Mentor, Google Summer of Code, University of Washington  
2016            Volunteer, Julia Robinson Math Festival, University of Washington  
2016            Sage Workshop Leader, Math Day, University of Washington  
2015            Volunteer, Julia Robinson Math Festival, University of Washington  
2015            Sage Workshop Leader, Math Day, University of Washington

---

## PROGRAMMING

I regularly use **Sage** in my research.

I regularly write code in **Go**, **Javascript**, **Typescript**, and **Python** for side projects available at <https://github.com/tscholl12>.

I am currently working with a professor at UW to build an online homework system for UW math courses.