

Tim S. Long

Curriculum Vitae

Education

2012–2014 **PhD in Mathematics**, *George Mason University*.

- Advisor: Jay Shapiro
- Dissertation Title: Ring Extensions Involving Amalgamated Duplication Rings

2006–2012 **MS in Mathematics**, *George Mason University*.

2002–2005 **BS in Mathematics with a minor in Chemistry**, *George Mason University*.

Awards

2005 **Genevieve G. Feinstein Award in Cryptography**, *George Mason University*.

Teaching Experience

- **Instructor**, *George Mason University*.
 - Linear Math Modeling (Fall 2013);
 - Quantitative Reasoning (Fall 2009, Summer 2010, Spring 2011, Fall 2011, Fall 2012, Spring 2013)
 - Discrete Mathematics for IT (Summer 2008)
- **Teaching Assistant**, *George Mason University*.
 - Analytic Geometry and Calculus I (Fall 2008, Spring 2009, Fall 2011, Spring 2012)
 - Analytic Geometry and Calculus II (Spring 2006, Spring 2008, Fall 2008, Spring 2009)
 - Analytic Geometry and Calculus III (Fall 2011)
- **Guest Lecturer**, *George Mason University*.
 - Abstract Algebra (Spring 2009)
 - Discrete Mathematics (Fall 2012)
 - Algebra II (graduate course) (Fall 2011)

Languages

English **Native**

Spanish **Fluent**

French **Intermediate**

Farsi **Conversational**

Reading scholarly articles fluently, speaking conversationally

Spoken only

Computer skills

Standard Latex, Microsoft Office

Programming Java, C/C++
Languages

Math Maple, MATLAB
Packages

Web HTML5, CSS3, Javascript,
Programming DHTML/DOM, JSON, Ajax

Interests

- Music I have played music for over 20 years, and find a strong correlation between math and music.
- Chess I occasionally play chess on a DC area team.
- Game programming I believe that “edutainment” (and technology in general) will play a strong role in the future of education.

Seminars and Colloquia

- March 2014 **Ring Extensions Involving Amalgamated Duplication Rings**, *University of Tennessee, Knoxville*, AMS Sectional Meeting (Knoxville).
- February 2014 **Ring Extensions Involving Amalgamated Duplication Rings**, *George Mason University*, Combinatorics, Algebra and Geometry (CAGS) Seminar.
- October 2013 **Ring Extensions Involving Amalgamated Duplication (“Bowtie”) Rings**, *George Washington University*, Graduate Seminar.
- Spring 2011 **Strong Krull Primes and Flat Modules**, *George Mason University*, Graduate Seminar on Commutative Algebra.
- Fall 2010 **Ultrafilters and Rings of Continuous Functions**, *George Mason University*, Graduate Seminar on Rings of Continuous Functions.
- Spring 2010 **On Rings of Continuous Functions**, *George Mason University*, Graduate Seminar on Rings of Continuous Functions.
- Fall 2009 **Mixed Matrices and Binomial Ideals**, *George Mason University*, Graduate Seminar.
- Spring 2009 **Classification of the Minimal Ring Extensions of an Integral Domain**, *George Mason University*, Graduate Seminar.
- Fall 2008 **Localizations in Ring Extensions**, *George Mason University*, Graduate Seminar.
- Spring 2006 **On Ring Extensions and Going-Down**, *George Mason University*, Graduate Seminar.