James Phillips

Clapp 308 - Department of Mathematics - Wellesley College
106 Central St, Wellesley, MA 02481
Email: james.phillips@wellesley.edu

Work Experience

2019 - Present	Visiting Instructor, Wellesley College
2013 - 2019	Graduate Instructor, University of Virginia
2010 - 2013	Mathematics Tutoring Center Coordinator, Villanova University

Education

2013 - 2019	Ph.D., Mathematics, University of Virginia Advisor: Andrew Obus Thesis: *Reduction and deformation of one-point Galois covers*
2009 - 2013	B.S., Mathematics, Villanova University *Summa cum Laude*; *Phi Beta Kappa* Advisor: Amanda Knecht Thesis: *Rational Maps, Orbits, and Galois Groups*

Awards and Honors

2019 Spring	University of Virginia All-University Graduate Teaching Award Awarded yearly to 10 graduate student teachers among the university
2013 - Present	Graduate Teaching Fellowship, University of Virginia
2013	Emil Amelotti Medallion of Excellence, Villanova University Awarded at graduation to top mathematics major
2012	Departmental Honors in Mathematics, Villanova University Given upon completion of advanced coursework and presentation of supervised research to faculty Supervisor: Robert Styer
2009 - 2013	Villanova University Presidential Scholarship

Publications

One-point covers of elliptic curves and good reduction.
Submitted for publication; arXiv: 1707.08996, 11 pp., 2017

Deformations of wildly ramified one-point covers.
In preparation.

Teaching Experience

2019 Fall	Wellesley College, Calculus I (2 sections) Evaluation: 4.5/5 Wellesley College, Reasoning With Data Evaluation: 3.5/5
2019 Spring	University of Virginia, Calculus II Evaluation: 5 / 5
2018 Fall	University of Virginia, Calculus I Evaluation: 4.96 / 5

2018 Spring	University of Virginia, Calculus II Evaluation: 4.78 / 5
2017 Fall	University of Virginia, Survey of Calculus I Evaluation: 4.35 / 5
2016 Fall	University of Virginia, Applied Calculus I Evaluation: 4.72 / 5
2016 Spring	University of Virginia, Calculus II Evaluation: 4.5 / 5
2015 Fall	University of Virginia, Applied Calculus I Evaluation: 4.32 / 5
2015 Spring	University of Virginia, Applied Calculus II Evaluation: 4.4 / 5
2014 Fall	University of Virginia, Applied Calculus I Evaluation: 4 / 5

Talks

2021 Spring	JMM Special Session on Ramification in Algebraic Geometry *Deformations of wildly ramified one-point covers*
2019 Spring	Bucknell University Seminar *Good reduction of covers of curves*
2018 Fall	Villanova University Mathematics Colloquium *Good reduction of covers of curves*
	PANTS 30 at Wake Forest University *Good reduction of covers of elliptic curves*
	University of Virginia Mathematics Graduate Semianr *Why Schemes?*
2018 Spring	Upstate Number Theory Conference *Good reduction of covers of elliptic curves*
	Joint Mathematics Meetings Contributed Paper *Good reduction of covers of elliptic curves*
2017 Fall	University of Pennsylvania Galois Seminar *Good reduction of covers of elliptic curves*
	University of Virginia Algebra Seminar *Good reduction of covers of elliptic curves*
	AMS Special Session on Algebraic Curves and Applications *Covers of elliptic curves and good reduction*
2017 Spring	Temple University Graduate Student Conference *Covers of elliptic curves and good reduction*
	University of Virginia Mathematics Graduate Seminar *A Primer On Rigid Geometry*
2016 Spring	University of Virginia Mathematics Graduate Seminar *Good Reduction of Elliptic Curves*
	University of Virginia Mathematics Graduate Seminar *Belyi's Theorem and Fundamental Groups*
2014 Spring - 2019 Spring	University of Virginia Galois Seminar Various Expository Talks
2013 Spring	Villanova University Mathematics Undergraduate Seminar *Rational Maps, Orbits, and Galois Groups*
2012 Spring	Presentation to Faculty for Mathematics Departmental Honors *Searching For Wieferich Primes*

Service

2018 Fall - 2019 Spring	Transforming calculus initiative Selected to teach a "flipped classroom" calculus course as a part of the beginning of a department-wide transition
2017 Fall - 2019 Spring	AWM Mentorship Program, UVA Chapter Serving as a mentor to first-year graduate students Mentees: Reid Booth, Jiacheng Miao
2017 Spring - 2019 Spring	University of Virginia Teaching Mentor Advising of a second-year graduate student in his or her first semester of teaching Mentees: Ian Runnels, Peter Johnson (2017 Spring); Mojdeh Tarighat (2017 Fall); Joseph Eisner (2018 Spring); Kristina King (2018 Fall)
2016 Fall - 2019 Spring	University of Virginia Math Outreach Ambassador Visiting and running interactive math activities in local elementary and middle schools

Conferences and Workshops

2019 Spring	Arithmetic and Topology Arizona Winter School
2018 Spring	Upstate Number Theory Conference University at Buffalo
	Iwasawa Theory Arizona Winter School
	2018 Joint Mathematics Meetings in San Diego
2017 Fall	AMS Special Session on Algebraic Curves and Applications University of Central Florida
2017 Spring	Graduate Student Conference in Algebra, Geometry, and Topology Temple University
	Perfectoid Spaces Arizona Winter School
2016 Summer	Connecticut Summer School in Number Theory Research conference on elliptic curves and modular forms
2016 Spring	The p-adic Langlands Program and Related Topics Indiana University Bloomington
2016 Spring	Analytic Methods in Arithmetic Geometry Arizona Winter School
2016 Spring	SERMON XXIX James Madison University
2015 Fall	Local - Global Principles and Their Obstructions University of Pennsylvania
2015 Summer	Gaps Between Primes and Analytic Number Theory MSRI Summer School