Charles Godfrey

math.washington.edu/~cgodfrey | cgodfrey@math.washington.edu

Education

PhI	oin Mathematics, The University of Washington-Seattle	June 2021 (expected)
	Advisor: Sándor Kovács	
	• Thesis: Residue triangles and resolutions of pairs	
	• Completed the eScience Institute's Advanced Graduate Data Science Option	
B.S.	in Mathematics and Physics, The University of Wisconsin-Madison	May 2014
Aca	ademic positions	
Pro	gram Associate, Mathematical Sciences Research Institute	March-May 2019
	• Participated in the Birational Geometry and Moduli Spaces research program	
Aw	vards	
Dep	partment of Mathematics Graduate Fellowship, The University of Washington-S	eattle 2018-2019
Pu	blications and preprints	
[1]	Spr. 2017. Thrifty Rational Resolutions in Arbitrary Characteristic (Master's Thesis). URI edu/~cgodfrey/assets/pdfs/thrift_ratl.pdf.	:math.washington.
Tal	ks	
[1]	Spr. 2019a. "Logarithmic Chow-to-Hodge Cycle Maps" (Mathematical Sciences Ruate Student Seminar).	Research Institute Grad
[2]	Sum. 2019b (with Kapila Kottegoda, Oliver Knitter, and Yunpeng Shi). "Surve Bandits" (MSRI Mathematics of Machine Learning Summer School).	ey of Linear Stochastic
[3]	Aut. 2018. "The Cohomology of a Smooth Hypersurface" (The University of Wasldent 1, 2, 3 Seminar).	hington Graduate Stu-
[4]	Win. 2017. "The Cone of Curves" (The University of Washington Graduate Stude	ent MMP Seminar).
Tea	aching	
Pre	-doctoral Teaching Assistant, The University of Washington-Seattle Se	eptember 2014-present
	• Main instructor: Introduction to Differential Equations, Calculus I, Calculus III tions, Introduction to Mathematical Reasoning, Graduate Prelim Exam Practi	
	Teaching assistant: Pre-Calculus . Calculus I-III. Linear Algebra	

- **Graduate Mentor**, Washington Experimental Math Laboratory January-June 2019, March-June 2020
 - Mentored a undergraduate research projects on topics such as the foundations of quantum mechanics and mathematical epidemiology
 - Faculty Mentors: Jarod Alper, Benjamin Feintzeig

• Grader: Graduate Abstract Algebra

A.I. I	•
Other research ex	nerience
Other research ex	perience

Research Experience, The University of Minnesota School of Physics and Astronomy

Summer 2013

- Designed and performed experiments using the BL21Rosetta2 strain of *E. coli* in the context of synthetic biology. Used MATLAB for to solve differential equations modelling genetic circuits
- Principal Investigator: Vincent Noireaux

Extracurricular___

Electric Bassist, Look At Me's, Young Chhaylee

Spring 2016-present

- Electric bass in rock, R&B, neo-soul and singer-songwriter styles, writing bass lines to original songs
- Venues performed at: Doe Bay Fest 2019, Timbrrr! Music Festival 2019, The Tractor Tavern, The High Dive, The Sunset Tavern, The Columbia City Theater, Barboza.