

AMY L. FEAVER

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EDUCATION

M.S., Computer Science , Merrimack College Concentration: Artificial Intelligence	Expected 2027
Ph.D., Mathematics , University of Colorado Thesis Title: Euclid's Algorithm in Multiquadratic Fields	May 2014
M.A., Mathematics , University of Colorado	December 2010
B.S., Mathematics , Rensselaer Polytechnic Institute	May 2007
Minor, Computer Science , Rensselaer Polytechnic Institute	May 2007

EXPERIENCE

Associate Professor , Grace College, IN	08/2024 - present
Statistics Instructor , Yukon University, YT Canada	01/2023 - 05/2024
Professional Development Instructor , Northern Lights College, YT Canada	10/2023 - 12/2023
Data Science Instructor , Houghton University, NY (remote)	01/2023 - 05/2023
Visiting Assistant Professor , Gordon College, MA	08/2021 - 12/2021
Assistant Professor , The King's University, AB Canada	07/2014 - 12/2020
Course Coordinator and Instructor , University of Colorado, CO	08/2007 - 12/2013

SELECTED PUBLICATIONS

A More Efficient Algorithm for Finding the Number of Permutations of $\mathbb{Z}/n\mathbb{Z}$ with Distinct Partial Sums (with Q. Baker), submitted for publication.

PlayfairCipher: SageMath Module for Classical Cryptography (with B. Heckel), *SageMath version 10.10.beta* (2026).

The size function for imaginary cyclic sextic fields (with T. Peng, H. Tran), *Journal de Theorie des Nombres de Bordeaux* **35** (2023) no. 3, pp. 841-866.

Imaginary multiquadratic fields of class number 1, (2017) *Journal of Number Theory* **174**, pp. 93-117.

Kneser-Hecke operators for codes over finite chain rings (with A. Haensch, J. Liu, G. Nebe), (2016) *Directions in Number Theory: Proceedings of the 2014 WIN3 Workshop*

Mahler measure of some singular K3-surfaces (with M.J. Bertin, J. Fuselier, M. Lalin, M. Manes), (2013) *Contemporary Mathematics* **606**, pp. 149-169.

SELECTED WORKSHOPS

Sage Days Western Canada , University of Calgary, AB	June 2026
LMFDB, Computation, and Number Theory (LuCaNT) , The Institute for Computational and Experimental Research in Mathematics (ICERM) at Brown University.	July 2025
Visualizing Algebra and Number Theory , The Institute for Computational and Experimental Research in Mathematics (ICERM) at Brown University.	October 2019
Sage Days 103: Women in Sage , St. Louis, MO Project Leader: Interactive Cryptography Resources in Sage	August 2019
Summer School: Explicit Methods for Abelian Varieties , University of Calgary, AB	June 2016
Sage Days 69: Women in Sage , San Diego, CA	September 2015
Apollonian Circle Packings , The Mittag-Leffler Institute, Djursholm, Sweden	June 2014
Women in Numbers 3 , Banff International Research Station, Banff, AB	April 2014
Sage Days 50: Women in Sage , Seattle, WA	July 2013
Arizona Winter School , Tucson, AZ	March 2012
Sage Days 35.5: Bug Days , Gordon College, Wenham, MA	January 2012
Women in Numbers 2 , Banff International Research Station, Banff, AB	November 2011
Sage Days 33: Women in Sage , Seattle, WA	September 2011

PROFESSIONAL DEVELOPMENT

Computing: Sage (developer), L ^A T _E X, Python, PARI/gp, C++, HTML/CSS, JavaScript, Rust Created the Cryptography Interactive Page for the Sage Wiki (with E. Goedhart) AMS Short Course: Computing with Elliptic Curves Using Sage Multiple contributions to Sage Mathematics Software	August 2019 January 2012
Graduate Teaching Program University of Colorado Boulder Graduate Teaching Certificate GTP Fall Intensive Conference	May 2012 August 2011
Professional Affiliations: Association for Computing Machinery, Association for Women in Mathematics, American Mathematical Society, Canadian Mathematical Society, Mathematical Association of America	

SELECTED COURSES TAUGHT

Associate Professor , Grace College Developed a computer science BS degree Introduction to Computer Science in Python HTML & Web Development Application Development Lab Object-Oriented Programming Data Structures Special Topics in Computer Science Database Programming Mathematical Cryptography First-Year Computer Science Seminar	August 2024-Present
Instructor , Yukon University, Whitehorse, YT Statistics for the Physical and Life Sciences	January 2023 - May 2024
Instructor , Northern Lights College, Atlin, YT Introduction to Computers Job Search Skills	Fall 2023
Instructor , Houghton University, Houghton NY Data Science Fundamentals	Spring 2023
Visiting Assistant Professor , Gordon College Introduction to Computers Introduction to Programming	Fall 2021
Assistant Professor , The King's University Introduction to Computing Science Data Structures Discrete Mathematics Cryptography Numerical Analysis Theory of Computing Computing Science Practica Research in Computing Science and Mathematics Reading Courses in Mathematics	July 2014-December 2020
Course Coordinator and Instructor , University of Colorado Mathematics for Elementary Education I and II Standardized the syllabus, policies and exams, mentored other instructors teaching the course.	
Instructor , University of Colorado Calculus 1, 2 and 3 Quantitative Reasoning Mathematics for Elementary Education I and II	
The Johns Hopkins University Center For Talented Youth Instructor, Introduction To Robotics Teaching Assistant, Inductive and Deductive Reasoning	Summer 2009 Summer 2007

SERVICE

Member: Committee on AI , Grace College	2025 - present
Board Member: Diversity and Recruitment , Alberta Summer Mathematics Institute	2019 - 2020
Organizing Committee Member , Interdisciplinary Studies Conferences, The King's University Organize topics and speakers for this two-day conference each semester	2016 - 2019
Co-organizer , Faculty Colloquia, The King's University	2014 - 2019
Co-organizer , Alberta Number Theory Days IX	March 2017
Mentor , Ladies Learning Code JQuery workshop	March 2015
Co-organizer , graduate student number theory problem sessions	Spring 2012
Mentor for first year graduate students	Fall 2010, Fall 2012, Spring 2013