Contact Information	Department of Mathematics & Computer Science Eastern Illinois University Charleston, IL 61920	Office: (217) 581 - 5902 E-mail: aalvarado2@eiu.edu URL: castle.eiu.edu/aalvarado2
Research Interests	Diophantine Equations, Elliptic Curves, Automate	d Change Detection
Education	Arizona State University, Tempe, AZ	
	Ph.D. Mathematics	May 2009
	Arithmetic Progressions on CurvesAdvisor: Professor Andrew Bremner	
	University of Arizona, Tucson, AZ	
	M.S. Mathematics	December 2004
	 A Brief Introduction to Some Elliptic Curve Advisor: Professor Kirti Joshi 	Cryptography
	San José State University, San José, CA	
	B.S. Applied and Computational Mathematics May 2000	
	Minor: PhysicsAdvisor: Professor Daniel Goldston	
Refereed Publications	A Robust Implementation for Solving the S-unit Equation and Several Applications, with Angelos Koutsianas, Beth Malmskog, Chris Rasmussen, Christelle Vincent, and Mckenzie West, Simons Symposia series (Arithmetic Geometry, Number Theory, and Computation), Springer (2021), https://arxiv.org/pdf/1903.00977.pdf.	
	Academic Preparation for Business, Industry, and Government Positions, with Candice Price, Association for Women in Mathematics Series, Springer, 18 (2019), pp. 79 - 87.	
	Difficult Dialogues in the Midwest: A Retrospective on the Impact of EDGE at Purdue University, with Rachel Davis, Donatella Danielli, Zenephia Evans, Edray Goins, Association for Women in Mathematics Series, Springer, 18 (2019), pp.55 - 65.	
	A Mathematician's Journey From Mentee to Mentor: Reflections on the EDGE Program, with Sarah Bryant, Journal of Humanistic Mathematics, 7 Issue 2 (2017), pp. 394 - 400, https://scholarship.claremont.edu/jhm/vol7/iss2/21/.	
	On the Diophantine Equation $x^4 + y^4 + z^4 + t^4 =$ Integer Sequences, 17 (2014), Article 14.11.5, http VOL17/Alvarado/alva3.pdf.	w^2 , with Jean-Joël Delorme, Journal of os://cs.uwaterloo.ca/journals/JIS/
	Arithmetic Progressions on Conic Sections, with	Edray Goins, International Journal of

	Number Theory	, 9 no. 6 (2013), pp. 1379 - 1393, http://arxiv.org/ab	s/1210.6612.
	Arithmetic Prog Matemáticas, In	ressions in the y-coordinates on Certain Elliptic Curr avestigación 20 (2011), pp. 1 - 9.	ves, Aportaciones
	Arithmetic Prog icae, 37 (2010) from3to6.pdf.	pressions on Quartic Elliptic Curves, Annales Mathe , pp. 3 - 6, http://ami.ektf.hu/uploads/papers	maticae et Informat- s/finalpdf/AMI_37_
	An Arithmetic I cle 09.7.3, http:	Progression on Quintic Curves, Journal of Integer Sequ s://cs.uwaterloo.ca/journals/JIS/VOL12/Alvara	ences, 6 (2009), Arti- do/alvarado2.pdf.
Expository Publications	The Struggle of matical Journey LivingProof.p	⁷ Qualifying Exams, Living Proof: Stories of Resilien 7, AMS-MAA Press (2019), pp. 32 - 34, https://www. df.	ce Along the Mathe- .ams.org/about-us/
	An Exposition of State University alvarado.pdf.	of Schoof's Algorithm, Sonoran Journal of Graduate N v, (2005), http://mathpost.asu.edu/~sjgm/issues/	Mathematics, Arizona /2005_spring/SJGM_
Publications in Progress	Investigation of son Torchinsky, Undergraduate	² the Collatz Function in the Gaussian and Eisenste Erik Knutsen, and Rafael Ceja Ayala, submitted, M Mathematics.	<i>in Integers</i> , with Ja- Minnesota Journal of
	Numerical Appr Melara, in prepa	poximation of Coefficients of Shabat Polynomials, with I aration.	Edray Goins and Luis
Employment	Associate Pro	fessor	
LIMI LOT MENT	Eastern Illinois	University	Spring 2021 - present
	Department of I	Mathematics and Computer Science	Fall 2017
	Undergraduat	e courses taught: Danville Correctional Center	• Fall 2023
	MAT 1160	Mathematics: A Human Endeavor	1011 2020
	Undergraduat	e courses taught	Fall 2013 - Present
	MAT 1160	Mathematics: A Human Endeavor	
	MAT 1330	Analytical Trigonometry	
	MAT 1441	Calculus and Analytic Geometry I	
	MAT 2250	Elementary Statistics	
	MAT 2550	Introduction to Linear Algebra	
	MAT 3530	Abstract Algebra	
	MAT 3701	Probability and Statistics I	
	MAT 3702	Probability and Statistics II	
	MAT 4700	Seminar in Mathematics; Diophantine Equations	
	MAT 4810	Calculus for K-12 Math Educators	
	MAT 4910	Number Theory	

Graduate courses taught

MAT 5000	Mathematics Graduate Seminar
MAT 5100	Abstract Algebra
MAT 5810	Math Content Course for K-12 Math Educators
MAT 5335	Introduction to Data Science
MAT 5335	Introduction to Elliptic Curves
MAT 5990	Independent Study in Quadratic Integers

Scientist

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Naval Surface Warfare Center, Panama City, FL Spring 2018 - Fall 2020

Worked on automated change detection for sonar imagery; presented results in internal, national, and international conferences.

REU Faculty Mentor

California State University, Channel Islands

I directed an eight week summer research project with three undergraduate students on the Gaussian and Eisenstein integers. I also ran workshops on LaTeX and applying for graduate schools.

Assistant Professor	
Eastern Illinois University	Fall 2013 - Spring 2017
Department of Mathematics and Computer Science	

Local Co-coordinator, Enhancing Diversity in Graduate Education (EDGE) Program Purdue University, West Lafayette, IN

The mission of the four week program is to strengthen the abilities of women to successfully complete graduate programs in the mathematical sciences. The program consists of minicourses in vital areas of mathematical research in pure and applied mathematics, short-term visitors from academia and industry, guest lectures, graduate student mentors, and problem sessions. In addition, a follow-up mentoring program and support network is established with the participants' respective graduate programs.

ACT Preparation Instructor, Minority Teacher Identification and **Enrichment Program**

Eastern Illinois University

The mission of the one week program is to recruit and retain underserved high school students who have an interest in becoming teachers. I taught the mathematics portion of the ACT.

Abstract Algebra Instructor, EDGE Program

New College of Florida, Sarasota

Visiting Assistant Professor

Fall 2013 - Fall 2017

Summer 2017

Summer 2016

Summer 2014

June 2013

Purdue University, Department of Mathematics Fall 2011 - Spring 2013			
 MA 173 Calculus with Analytic Geometry II MA 174 Multivariable Calculus MA 265 Linear Algebra MA 511 Graduate Linear Algebra with Applications 			
Adjunct FacultyUniversity of Arizona, Department of MathematicsFall 2009 - Spring 2011			
Math 120PrecalculusMath 263Introduction to StatisticsMath 302AUnderstanding Elementary Mathematics (Required content course for pre-service elementary teachers.)			
Adjunct Faculty Pima Community College Mathematics Department Tucson AZ Summer 2009			
MAT 173 Mathematics for Business 1: Probability and Simulation			
Graduate Teaching AssistantArizona State University, School of Mathematical andFall 2007 - Spring 2009Statistical Sciences			
MAT 170 Precalculus MAT 270 Calculus with Analytical Geometry I			
Graduate Student Mentor, EDGE Program New College of Florida, Sarasota June 2006			
Two mentors and I ran problem sessions for the students in Algebra and Analysis. Mentors helped to coordinate events, as well as share graduate school experiences.			
Graduate Teaching AssistantSpring 2006Arizona State University, School of Mathematical andSpring 2006Statistical SciencesSpring 2006			
I ran a problem session for graduate students in real analysis. The course was intended for students that required extra practice while enrolled in core courses.			
Research AssistantSpring 2005 - Fall 2005Arizona State University, School of Mathematical andSpring 2005 - Fall 2005Statistical SciencesStatistical Sciences			
I was involved in a variety of duties, most relevant was researching and analyzing the precalculus concept assessment instrument for the Center for Research on Education in Science, Mathematics, Engineering and Technology.			

Graduate Teaching Assistant

University of Arizona, Department of Mathematics

Summer 2004

I taught college algebra for the New Start Summer Math Program, a six week program designed to help students transition to college. This intensive summer program has been "effective at serving low-income, racial minority, and first-generation college students."

Graduate Teaching Assistant

University of Arizona, Department of Mathematics Fall 2001 - Fall 2004

Graduate Assistants in the department had full responsibility for the courses taught. Additionally, senior graduate students assisted with beginning graduate and advanced undergraduate courses by holding office hours and running problem sessions.

	Math 110 College Algebra	
	Math 120 Precalculus	
	Math 124 Calculus I	
	Math 415A Abstract Algebra TA	
	Mathematics Teacher	
	José Valdés Math Institute, San José, CA	Summer 2001
Grants	AMS-Simons Research Enhancement Grants for	Fall 2023 - Present
	Primarily Undergraduate Institution (PUI) Faculty, \$3000	
	Eastern Illinois University	Fall 2021
	College of Liberal Arts and Sciences Travel Award, \$500	
	Faculty Development and Innovation Center Partnership Grant, \$10 with Andrew Mertz	000
	Increasing the Visibility of Women's Research in Mathematics	Spring 2018
	through Graduate Student Participation in National Workshops, Co-Principal Investigator, \$49966 NSF Grant DMS-1821955 with Karolino Parchall, Ami Padungkaya	
	with Karonne Fershell, Ann Kadunskaya	
	Eastern Illinois University, Achievement and Contribution Award in the service category	Fall 2017
	Eastern Illinois University, Redden Grant, annual	Fall 2013 - Fall 2017
	3000, 1500, 1500, 1500	
	Eastern Illinois University, College of Sciences	Fall 2015
	Early Research Support Grant, \$500, \$500, \$500	Fall 2014
	Visiting Scholars Award, \$600, \$300, \$200	Fall 2013
	Midwest Women in Mathematics Symposium	Fall 2015
	\$224, \$200	Fall 2014

	EDGE mini-sabbatical grant, \$400	Summer 2014
	Infinite Possibilities Conference Co-Principal Investigator \$25000 NSA Grant with Edray Goins, Lily Khadjavi, Tanya Moore	Spring 2014
	Underrepresented Students in Topology and Algebra Research Syn (USTARS) Co-Principal Investigator, \$25000 NSF Grant DMS-133 with Syvillia Averett, Edray Goins, Pamela Harris, Candice Price,	nposium Fall 2012 17928 Shannon Talbott
	AWM-NSF Travel Grant, \$1500, \$710, \$1000	Summer 2018 Fall 2014 Spring 2012
Fellowships &	Sloan Fellowship	Fall 2006 - Spring 2007
SCHOLARSHIPS	More Graduate Education at Mountain State Alliance Travel and Research Stipends (MGE@MSA)	Fall 2005 - Spring 2009
	National Science Foundation VIGRE Fellowship	Summer 2003
	Computer Science, Engineering and Mathematics Scholarship	Fall 2002 - Spring 2004
	Graduate College Scholarship	Fall 2001 - Spring 2002
	Ronald E. McNair Post Baccalaureate Achievement Program	Summer 2000
Selected Talks	The Collatz Conjecture over the Gaussian Integers Young Mathematicians Conference, invited The Ohio State University, Columbus, OH	Summer 2023
	Department of Mathematics Colloquium, invited Shippensburg University, PA	Fall 2022
	Department of Mathematics and Computer Science Colloquium, Eastern Illinois University, Charleston, IL	Fall 2017
	Arithmetic Progressions on Curves Conference on Strengthening Community in Research Mathematic Pomona College, Claremont, CA	Spring 2023 s, invited
	My Post-Grad Mathematical Journey Professional Development Seminar (virtual), invited Arizona State University, Tempe, AZ	Spring 2022
	Investigation of the Collatz Function in the Gaussian & Eisenstein AMS Spring Central Virtual Sectional Meeting Purdue University, West Lafayette, IN	<i>i Integers</i> Spring 2022

Scattering Wavelet Transform Department of Mathematics, AWM Student Chapter, invited University of Kentucky, Lexington, KY	Spring	2019
My Mathematical Journey Hidden No More: Stories of Triumph, Excellence, and Achievement in STEM NSF-INCLUDES Lecture Series, invited Southwestern University, Georgetown, TX	Fall	2018
Formal and Informal Internal Presentations, approximately one per quarter Naval Surface Warfare Center, Panama City Division, FL	Summer	2020
My Lessons Learned EDGE Reunion Banquet Speaker, invited Texas Tech University, Lubbock, TX	Summer	2018
Latinos in the Mathematical Sciences Conference 2018 Careers in Government Panelist, IPAM, Los Angeles, CA	Spring	2018
Arithmetic Progressions on Conic Sections Mathematical Congress of the Americas, invited Joint Mathematics Meetings, invited Session on Discrete Structures in Number Theory, Atlanta, GA Colloquium, Eastern Illinois University, Charleston, IL	Summer Spring Fall	2017 2017 2016
Journey to the Ph.D. Louis Stokes Alliance for Minority Participation, invited California State University, Channel Islands	Spring	2017
NExT Panel: Retaining Students from Underrepresented Groups in STEM Indiana Section MAA Meeting, invited Purdue University, West Lafayette, IN	Fall	2016
Brief Introduction to Public Key Cryptography 3rd Lake Michigan Workshop on Combinatorics and Graph Theory, invited Purdue University, West Lafayette, IN	Spring	2016
Random Bits of Advice Nebraska Conference for Undergraduate Women in Mathematics, invited University of Nebraska, Lincoln	Spring	2016
Approximating Coefficients of Shabat Polynomials Rose Hulman Institute of Technology, Terre Haute, IN, invited AMS Sectional Meeting, Loyola University, Chicago, IL, invited Bradley University Math Seminar, Peoria, IL, invited MAA MathFest, Washington, DC	Spring Fall Fall Summer	2016 2015 2015 2015 2015

Dessin d'Enfants and Shabat Polynomials Latinos in the Mathematical Sciences Conference	Spring 2015
Midwest Women in Mathematics Symposium, Dominican University, Chicago, IL	Spring 2015
On the Diophantine Equation $x^4 + y^4 + z^4 + t^4 = w^2$ Conference on Diophantine <i>m</i> -tuples and Related Problems, invited Purdue University North Central, Westville, IN	Fall 2014
Midwest Women in Mathematics Symposium, University of Notre Dame, Notre Dame, IN	Spring 2014
What's so Special About Mordell Curves?	
SACNAS National Conference, Los Angeles, CA	Fall 2014
Universidad Autonoma Metropolitana, Mexico, D.F., invited	Summer 2014
Math Club Talk, Purdue University North Central, Westville, IN	Spring 2013
Bridge to Research Seminar, Purdue University, West Lafayette, IN	Spring 2013
Arithmetic Progressions on Curves	
AWM Research Symposium, Santa Clara University, Santa Clara, CA	Spring 2013
Arithmatia Prograssions on Mardall Carras	
Colloquium, Eastern Illinois University, Charleston, IL	Spring 2013
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Questions About Powers of Numbers	
Number Theory Seminar, Purdue University, West Lafayette, IN	Spring 2013
Journey to the Ph D invited	
Center for Leadership and Diversity in STEM	Fall 2012
United States Military Academy, West Point, NY	1 011 2012
Arithmetic Progressions on Conic Sections	
Automorphic Forms Seminar, Purdue University, West Lafayette, IN	Fall 2012
Belyĭ's Theorem	
Number Theory Seminar, Purdue University, West Lafayette, IN	Fall 2012
On Savare Values of Quadratics	
Number Theory Seminar, Purdue University, West Lafayette, IN	Spring 2012
Arithmetic Progressions on Mordell Curves	
Underrepresented Students in Topology and Algebra Research Symposium	Spring 2012
University of Iowa, Iowa City, IA	~r0 =012
Anithmatic Prograssions in the recordinates on Mondall Currus invited	
Init Mathematics Meeting Special Session on Arithmetic Comparty	Spring 2012
Boston, MA	opring 2012

My Adventures with Elliptic Curves, invited AGEP PRiME: Purdue Research in Mathematics Experience, Purdue University, West Lafayette, IN	Summer 2011
Arithmetic Progressions on $y^2 = x^3 + k$ Automorphic Forms and Representation Theory Seminar, Purdue University, West Lafayette, IN Algebra/Combinatorics/Geometry/Topology Seminar,	Spring 2011 Spring 2011
Northern Arizona University, Flagstaff, AZ Some Elliptic Curve Crytography, invited MSRI - UP: Elliptic Curves and Applications, Mathematical Sciences Bergersch Lastitute Burkeley CA	Summer 2010
Arithmetic Progressions in the y-coordinates of Certain Elliptic Curves Fourteenth International Conference on Fibonacci Numbers and their Applications, Morelia, Mexico	Summer 2010
Arithmetic Progressions on Curves, invited Research Experiences in Mathematics for Undergraduates and Teachers, California State University, Chico, CA	Summer 2009
y-coordinate Arithmetic Progressions on Elliptic Curves Number Theory Seminar, Arizona State University, Tempe, AZ	Fall 2008
Integral Arithmetic Progressions on $y^2 = x^3 + k$ International Conference on Statistics and Related Fields, Honolulu, HI	Spring 2008
Cryptography Workshop Presentation for Sonia Kovalevsky Day (a one day high school mathematics workshop for female students), University of Arizona, Tucson, AZ	Spring 2007
Arithmetic Progressions on Curves of Degree Five West Coast Number Theory Conference, Ensenada, Mexico	Fall 2006
The Mordell Weil Theorem over \mathbb{Q} Number Theory Seminar, Arizona State University, Tempe, AZ	Spring 2006
Schoof's Algorithm MGE@MSA Student Research Conference, Arizona State University, Graduate Colloquium, University of Arizona, Tucson, AZ	Spring 2005 Fall 2004
A Brief Introduction to Some Algorithms in Elliptic Curve Cryptography Master's Thesis Defense, University of Arizona, Tucson, AZ	Fall 2004
<i>Ideals Defined by Matrices</i> Graduate Math Colloquium, University of Arizona, Tucson, AZ	Spring 2004

Poster Presentations	Mohanty's Conjectures SACNAS National Conference, San José, CA AWM Anniversary Conference, Providence, RI	Fall 2011 Fall 2011	
	Arithmetic Progressions on Elliptic Curves Career Options for Women in Mathematical Sciences, Minneapolis, MN Joint Mathematics Meetings, San Francisco, CA	Spring 2009 Spring 2009	
	Arithmetic Progressions on Curves of Degree Five International Conference on Statistics and Related Fields, Honolulu, HI Infinite Possibilities Conference, Raleigh, NC MGE@MSA Student Research Conference, Arizona State University, Tempe, AZ (First Place in Mathematics Category)	Spring 2008 Fall 2007 Spring 2007	
Professional Workshops &	Institute for Computational and Experimental Research in Mathematics (ICERM), Collaborate@ICERM, Providence, RI	Spring 2022	
CONFERENCES	• The goal of the weeklong workshop was to work on updates for the pr S-unit Equations" with same members from Collaborate@ICERM 2017.	oject "Solving	
	American Institute of Mathematics (AIM) Latinx Mathematicians Network, San Jose, CA	Fall 2019	
	• The goal of the workshop is to build a network of Latinx mathematicians, which will encourage and promote the advancement of Latinx to pursue careers in the mathematical sciences, and showcase their mathematical contributions.		
	Linton-Poodry SACNAS Leadership Institute AAAS Headquarters, Washington, DC	Summer 2018	
	• The goal of the intensive five day course is to lay the foundation for motiv to lead institutional transformation.	vated scientists	
	Institute for Computational and Experimental Research in Mathematics (ICERM), Collaborate@ICERM, Providence, RI	Spring 2017	
	• The goal of the weeklong workshop was to continue collaborating with the from Sage Days 62 on "Solving S -unit Equations".	same members	
	re:boot Number Theory Duke University, Durham, NC	Spring 2016	
	• The goal of the four day workshop is to develop long-term research traject overview of the grant writing process.	ories including	
	USTARS Sam Houston State University, Huntsville, TX	Spring 2016	
	• The goal of the workshop was to find, develop, and implement research op underrepresented students in topology and algebra.	portunities for	

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The National Summer Institute, Denver, CO

• The goal of the four day institute was to provide participants with the necessary training to prepare them for faculty positions in academia.

Fall 2008 Promoting Diversity at the Graduate Level in Mathematics Mathematical Sciences Research Institute, Berkeley, CA

• I was invited to be on the panel, The Students' Perspective. The objectives of the three day workshop was to identify and discuss successful models that improve retention of underrepresented groups in graduate mathematics.

The Ninth Workshop on Elliptic Curve Cryptography Conference Fall 2005

• The weeklong summer school provided background for the conference which was held the following week. Some topics included *p*-adic numbers, pairing, Weil descent, and an

developing Sage code, as well as increasing the number of women in the community of Sage developers.

2015 and another student in 2016.

Sage Days 62: Women in Sage 5

Portland, OR

Structured Quartet Research Ensembles (SQuaREs) Spring 2014 American Institute of Mathematics (AIM), Palo Alto, CA

• The goal of the 4 day workshop was to work on a number theoretical group project

• The goal of the week long workshop was to continue collaborating with the same members from REUF4 on the project, "Visualizing Dessins d'Enfants".

Summer 2012 Research Experience for Undergraduate Faculty (REUF4) ICERM, Providence, RI

• The goal of the week long workshop is to introduce undergraduate faculty to potential research projects and to equip them with the tools to mentor students in undergraduate research in mathematics.

AWM Women in Mathematics Symposium

• The goal of the two day symposium was to provide new female mathematicians with career information and networks as they prepare for postgraduate careers.

Institute for Pure and Applie Mathematics, Los Angeles, CA

University of Nebraska, Lincoln

• The goal of NCUWM is to encourage and mentor undergraduate women to pursue graduate study in mathematics and seek mathematical careers by providing role models, insider knowledge, and an opportunity to present original research. I took a student in

Nebraska Conference for Undergraduate Women in Mathematics Spring 2016 Spring 2015

Summer 2014

Summer 2010

Spring 2011

	Anogia Summer School, Number Fields and Curves over Finite Fields, Crete, Greece	Summer 2005
	• The weeklong school consisted of lectures which included a finite fields and modular forms. There were also guest lectures	Arakelov theory, curves over ares by fellow students.
	EDGE Program, Bryn Mawr College, PA	Summer 2002
	• The aim of the program was to prepare female students mathematical sciences. The program was four weeks long algebra and analysis, including minicourses in different area	for graduate school in the and covered core courses in as of mathematics.
Service & Outreach	AMS Central Section Program, Committee chair Committee member	Spring 2023 - present Spring 2022 - Fall 2022
	MAA Representative-at-Large for Interests of Minoritized/Marginalized Communities in Mathematics	Summer 2023 - present
MAA Represe Hrabowski-Ga LatMath Cont Session co-org with Cindy W	MAA Representative on the MAA-SIAM-AMS Hrabowski-Gates-Tapia-Mcbay Lecture Selection Committee	Spring 2023 - present
	LatMath Conference 2022 Session co-organizer "Tips for Effective Mentoring" with Cindy Wyels	Summer 2022
	AWM Executive Committee Clerk MathFest Committee Chair Organizing Committee MathFest 2018 Town Hall: Shaping and Fostering an Equitable Community in our Departments	Spring 2022 - present Spring 2018 - Spring 2019 Spring 2016 - Fall 2017
	Infinite Possibilites Conference Organizing committee	Fall 2023 - present Fall 2017 - Spring 2018 Fall 2013 - Spring 2015 Spring 2012
	EIU Department of Mathematics and Computer Science Colloquium Committee Social & Good of the Order Committee iSTEM Advisory Committee Graduate Committee Scholarship Committee Hiring Committee	Fall 2022 - present Fall 2022 - present Fall 2021 - present Fall 2021 - Spring 2022 Spring 2021 - Spring 2022 Spring 2014 Spring 2021 Fall 2013 - Spring 2014
	Undergraduate, and Graduate Semi-annual Open House Publicity and Outreach Committee	Fall 2014 - Fall 2017 Fall 2016 - Fall 2017

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	Travel scholarship reviewer	Fall 2014
	SACNAS National Conference	
	Scientific Symposium Session, co organizer and co chair:	Fall 2015
	Scientific Symposium Session, co-organizer and co-orian,	Eall 2013
	Judaner ducte Studart Deter inder	Fall 2014
	Undergraduate Student Poster Judge;	Fall 2013
	Travel Scholarship Reviewer;	Fall 2012
	judges sub-committee chair;	Fall 2011
	Eastern Illinois University:	
	Annual Gateway Program "Professor's Expectation" panelist	Fall 2014 - 2017
	Latino Heritage Month planning committee	Fall 2016 - 2017
	Sigma Xi scientific honor society participant	Spring 2017
	Sigma Xi undergraduate poster judge	Spring 2016
	Building Bridges: Connecting Latino Faculty/Staff	Spring 2016
	with Students (Charlando Con Los Profesores)	Fall 2014
	UPI Divergity Committee	Fall 2014 Spring 2016
	Council on Academic Affaire, Learning Coale committee	Fall 2012 Spring 2014
	Council on Academic Analis, Learning Goals committee	Fan 2015 - Spring 2014
	EIU College of Sciences:	
	Minority Mentoring in Mathematics and Sciences (M^3S) chair	Fall 2016 - Spring 2017
	Women in Science and Mathematics (WiSM) member	Spring 2015 - Fall 2017
	SURE award selection committee, three year term	Spring 2014 - Spring 2016
	Purdue University:	
	Local organizer for USTABS 2013	Fall 2012 - Spring 2013
	Course coordinator for MA 265 Linear Algebra	Spring 2013
	Co organizer for Purdue Research in Mathematics Experience	Summer 2012
	M S defense committee member	Summer 2012
	M.S. defense committee member	Spring 2013
	Ior three non-thesis students	Summer 2012
	ADVANCE Purdue Research in Mathematics Experience (PRIM	IE) Summer 2012
	Graduate School 101 Symposium Faculty Panel,	Spring 2012
	Black Graduate Student Association	
	Chapter reviewer for a proposed textbook in Functional Analysi	Fall 2012
	Springer Publishing	
Carron		MAN 001C
STUDENTS	Sarada Bandara, M.A.	M.A. May 2016
ADVISED	An Exposition of the Eisenstein Integers	
Affiliations	American Mathematical Society (AMS)	
	Association for Women in Mathematics (AWM)	
	Mathematical Association of America (MAA)	
	Society for the Advancement of Chicanos and Native Americans	
	in the Sciences (SACNAS) Lifetime Member	
G		
Continuing Education	EIU Online Course Development Institute; Certificate of Comple	Fall 2020

	Advanced Programming in C++; NSWC PCD weeklong course Intro to R for Data Science; edX Certificate Programming with R for Data Science; edX Certificate	Summer 2018 Spring 2017 Spring 2017
Technical Skills	HTML, ${\rm I\!AT}_{\rm E}\!{\rm X},$ Magma, Maple, Mathematica, MATLAB, R, Sage, SQL	
Volunteer	Panhandle Running Club Webmaster, Hiking Trail Maintenance	
LANGUAGES	English, Spanish	
Citizenship	United States	