Andrew (Drew) Jaramillo, Ph.D.

Email: drew.jaramillo@uconn.edu

Web: `http://www.math.uconn.edu/~ajaramillo`

EDUCATION

Ph.D., Mathematics
University of California, Santa Barbara (UCSB)   June 2014

Certificate in College and University Teaching (CCUT)
University of California, Santa Barbara (UCSB)   June 2014

M.A., Mathematics
San Francisco State University (SFSU)   May 2008

B.A., Mathematics
University of California, Berkeley (UCB)   December 2002

TEACHING EXPERIENCE

Visiting Assistant Professor, University of Connecticut (UConn)
1070Q, Mathematics for Business & Economics (Online)   Fall 2015
1132Q, Calculus II   Spring, Summer 2015
2110Q, Multivariable Calculus (4 Sections)   Fall 2014, Spring 2015
2210Q, Applied Linear Algebra (3 Sections)   Fall 2014, 2015

Teaching Associate (Instructor of Record), UCSB
34A, Calculus for Social and Life Sciences, 1st Course   Spring, Summer 2013
34B, Calculus for Social and Life Sciences, 2nd Course   Summer 2011
3C, Differential Equations and Linear Algebra   Summer 2010

Instructor, Summer Institute for Mathematics & Science (SIMS) at
California NanoSystems Institute Santa Barbara, CA
Calculus I   Summer 2012, 2013

Head Teaching Assistant, UCSB
34B, Calculus for Social and Life Sciences, 2nd Course   Winter 2010, 2011
34A, Calculus for Social and Life Sciences, 1st Course   Fall 2009, 2010

Teaching Assistant, UCSB
117, Introduction to Real Analysis   Spring 2014
3A, Calculus with Applications, 1st Course   Fall 2012, 2013, Winter 2014
5B, Vector Calculus with Applications   Spring 2010, 2011, Summer 2012
3C, Differential Equations and Linear Algebra   Spring 2009, Summer 2012
108A, Introduction to Linear Algebra   Fall 2011, Winter 2012
34A, Calculus for Social and Life Sciences, 1st Course   Fall 2008, Summer 2009
34B, Calculus for Social and Life Sciences, 2nd Course   Winter 2009

Graduate Student Instructor (Instructor of Record), SFSU

109, Pre-Calculus	Fall 2007, Spring 2008
70, Algebra II	Spring 2006, 2007, Summer 2007
60, Algebra I	Fall 2005, 2006, Summer 2006

Instructor, Louis Stokes Alliance for Minority Participation (LSAMP)
Summer Bridge Program, Precalculus   Summer 2007

RESEARCH EXPERIENCE

Program Associate
Noncommutative Algebraic Geometry and Representation Theory
Mathematical Sciences Research Institute (MSRI) Berkeley, CA   Winter 2013

PUBLICATIONS

Quantized Coordinate Rings of the Unipotent Radicals of the Standard Borel Subgroups in SL_{n+1} Journal of Algebra, vol. 413 (September 2014) pp. 226-245

OTHER EXPERIENCE

Private Tutor
Santa Barbara, CA   September 2008 -May 2014

Study Group Leader/Tutor
Sylvan Learning Center, Piedmont, CA   March 2005 – August 2005

Actuarial Analyst
Actuarial Management Corp, Concord, CA   October 2004 – March 2005

High School Teaching Assistant
Alliance for Collaborative Change in School Systems (ACCESS)
Berkeley, CA   Fall, Summer 2003

PROFESSIONAL DEVELOPMENT

Faculty Mentorship Group Member
Institute for Teaching and Learning, UConn   Spring 2015

Seminar Attendee
Institute for Teaching and Learning Lunchtime Seminar, UConn
    "Clickers, SMART, PowerPoint Technology in the Classroom"   Fall 2014
    "Adding Instructional Design Basics to Your Toolbox"   Fall 2014

Program Associate
Summer Teaching Institute for Associates (STIA) , UCSB   Summer 2013

INVITED TALKS

"Unipotent Radicals of Standard Borel and Standard Parabolic Subgroups in Quantum SL(n)"
Algebra Seminar, UConn   September 2014

"Unipotent Radicals of Standard Borel and Standard Parabolic Subgroups in Quantum SL(n)"
Thesis Defense, UCSB   June 2014

"Quantum Subgroups of SL(n)"
AMS/MAA Joint Mathematics Meetings, Baltimore, MD   January 2014

"Quantum Subgroups of SL(n)"
Algebra Seminar, UCSB   October 2013

"Quantum Subgroups of SL(n)"
UCB/UCSB Noncommutative Algebra Day, UCSB   June 2013

"The Dixmier Map & My Research"
Program Associate Research Talks, MSRI   February 2013

"An Introduction to Lie Algebras"
Graduate Student Algebra Seminar, UCSB   October 2012

"Quantum Groups, Primitive Ideals, & the Dixmier Map"
Algebra Seminar, UCSB   May 2012

"Introduction to Coalgebras & Quantum Groups"
Graduate Student Algebra Seminar, UCSB   February 2012

"Nil Implies Nilpotent"
Graduate Student Algebra Seminar, UCSB   October 2011

"Homological Algebra: Projective Modules & Exact Functors"
Graduate Student Algebra Seminar, UCSB   March 2011

CONFERENCES ATTENDED

International Conference of Representation Theory and Commutative Algebra
University of Connecticut (Storrs, CT)   April 2015

Special Semester in Representation Theory
University of Connecticut (Storrs, CT)   Fall 2014

AMS/MAA Joint Mathematics Meetings (JMM)
Baltimore, MD   January 2014

Representation Theory, Homological Algebra, & Free Resolutions
Mathematical Sciences Research Institute   February 2013

Introductory Workshop:
Noncommutative Algebraic Geometry & Representation Theory
Mathematical Sciences Research Institute   January 2013

AMS/MAA Joint Mathematics Meetings (JMM)
San Diego, CA   January 2013

Graduate Workshop: Noncommutative Algebraic Geometry
Mathematical Sciences Research Institute   June 2012

Southern California Algebra Conference (SCAC)
University of California, Los Angeles   April 2012

Lie Theory Workshop on Quantum Groups
Stanford University   February 2012

Deformation Theory of Algebras and Modules
North Carolina State University   May 2011

Underrepresented Students in Topology & Algebra Research Symposium
University of Iowa   April 2011

TECH SKILLS	**Programming Languages**
	C, C++, Java, GAP, SAGE, SQL, Mathematica, BASH Shell Scripting, LaTeX

Web Development
HTML, CSS, JavaScript, WordPress

Software Programs
Linux/Unix, OSX, Microsoft Windows
Excel, Word, PowerPoint, Access

Instructional Tools
Moodle, BlackBoard, iClickers, WebWork, WebAssign

MENTORING & SERVICE

Co-organizer (Math Portion) STEMFest 2015
Science Olympiad for High School Students. Storrs, CT   May 2015

Graduate Student Mentor, UCSB   September 2012 - June 2014

Undergraduate Mentor
Scholarships for Transfers to Engage & Excel in Mathematics (STEEM)   Fall 2012

Panelist, *"How to Pass Your Qualifying Exams"*
Hypatian Seminar, UCSB   November 2012

Co-organizer
Graduate Student Algebra Seminar, UCSB   September 2010 - September 2012

FELLOWSHIPS & FUNDING

Department Block Grant Fellowship
UCSB Department of Mathematics   Summer 2013

Funded under NSF Grant DSM-0800948 as Graduate Student Researcher
Ken Goodearl, Principal Investigator   Winter 2013

Funded under NSF Grant 0801258 as Contributor
David Morrison, Principal Investigator   Spring 2012

HONORS & AWARDS

Teaching Commendation Letter from UConn Provost   Fall, Spring 2015

UCSB Outstanding Teaching Assistant (Nominee)   Fall 2013