

Jonathan Dugan

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EDUCATION *Ph.D. Student*, Mathematics Fall 2016–Spring 2021 (anticipated)
University of California Riverside
M.S., Mathematics March 2019
University of California Riverside
B.S., Summa cum Laude, Computational Mathematics June 2016
University of California Riverside

TEACHING EXPERIENCE *Associate-In*—University of California, Riverside 2019–2020
• Math 9C, *Single Variable Calculus III* (Summer 2019, Winter 2020)

Teaching Assistant—University of California, Riverside Fall 2016–Present
• Math 4, *Precalculus for Business/Social Sciences* (Fall 2016, Winter 2017, Spring 2018)
• Math 6A, *Precalculus I* (Spring 2017)
• Math 6B, *Precalculus II* (Fall 2018)
• Math 7A, *Differential Calculus for the Life Sciences* (Fall 2018)
• Math 9A, *Single Variable Differential Calculus* (Fall 2019)
• Math 9B, *Single Variable Integral Calculus* (Summer 2018, Winter 2019)
• Math 10A, *Multivariable Differential Calculus* (Spring 2017, Summer 2018)
• Math 11, *Intro to Discrete Mathematics* (Spring 2018, Spring 2019)
• Math 22, *Business Calculus* (Fall 2017)
• Math 31, *Intro to Linear Algebra* (Winter 2018)
• Math 126, *Combinatorics and Graph Theory* (Spring 2018)
• Math 132, *Linear Algebra II* (Winter 2019)
• Math 135A, *Numerical Analysis I* (Fall 2018)
• Math 151A, *Advanced Calculus I* (Fall 2019)

Teaching Fellow—University of California, Riverside Fall 2019
As a teaching fellow, my duties were to observe the teaching of new graduate students in the mathematics department, and provide those students feedback and mentorship on their teaching.

AMP Instructor—University of California, Riverside Summer 2019
The Advanced Mathematics Program, or AMP, is a program at UCR for undergraduate mathematics majors in order to further their careers by fostering community and preparing them for advanced upper division mathematics classes. As an instructor for the program, I worked with a fellow graduate student to plan class curriculum and lessons, to provide instruction, and to mentor the students in the program.

Microtutorials—University of California, Riverside Winter–Spring 2019
The purpose of this project was to incorporate online learning into the calculus curriculums at UCR. My role included writing scripts and acting in videos in which I demonstrated solving word problems, to be accessed by students in the Math 22 Business Calculus class.

AVID Tutor in Math—Ramona High School, Riverside, CA Jan 2015–June 2016

**SELECTED
TALKS**

Seminars

- An introduction to Quantum Lie Algebras in the Example of \mathfrak{sl}_2 , *Graduate Student Seminar*, UC Riverside (June 2019)
- Demazure Flags and Character Formulas, *Graduate Student Representation Theory Seminar*, UC Riverside (April 2019)
- Examples of Diagram Foldings and Invariant Subalgebras, *Graduate Student Representation Theory Seminar*, UC Riverside (November 2018)
- Cluster Algebras of Finite Type, *Representation Theory Seminar*, UC Riverside (April 2018)

SERVICE

- Treasurer, Mathematics Department Mini-Graduate Student Association, *UC Riverside*. (February 2019–Present)

**AWARDS &
DISTINCTIONS**

Awards

- Outstanding Teaching Assistant Award, *UC Riverside* (May 2019)
- Academic Excellence Awards for College of Natural and Agricultural Sciences: Mathematics, *UC Riverside* (May 2016)

Fellowships

- Jones Junior Fellowship in Pure Mathematics, *UC Riverside* (Spring 2019)
- Chancellor's Distinguished Fellowship, *UC Riverside* (Fall 2016–Spring 2018)
- Regent's Scholarship, *UC Riverside* (Fall 2012–Spring 2016)

**CONFERENCES
ATTENDEND**

- Geometry and Representation Theory, *UC Riverside* (December 2019)
- AMS Fall Western Sectional Meeting, *UC Riverside* (November 2019)
- Riverside Mathematics Workshop for Excellence and Diversity, *UC Riverside* (November 2019)
- Math Connections Graduate Student Seminar, *UC Riverside* (May 2019)
- Southeastern Lie Theory Workshop XI, *Louisiana State University, Baton Rouge, LA*. Funding provided by TODO NCSU NSF conference grant. (May 2019)
- AMS Spring Central and Western Joint Sectional Meeting, *University of Hawai'i at Mānoa*. Funding Provided by UC Riverside. (March 2019)
- AMS Fall Western Sectional Meeting, *San Francisco State University*. Funding provided by UC Riverside. (October 2018)
- Riverside Mathematics Workshop for Excellence and Diversity, *UC Riverside* (October 2018)
- Math Connections Graduate Student Seminar, *UC Riverside* (May 2018)
- Joint Mathematics Meetings, *San Diego Convention Center* (January 2018)
- AMS Fall Western Sectional Meeting, *UC Riverside* (November 2017)
- Math Connections Graduate Student Seminar, *UC Riverside* (May 2017)

**PROFESSIONAL
MEMBERSHIPS**

- American Mathematical Society
- Mathematical Association of America
- Association for Women in Mathematics
- National Association of Mathematicians