

Edgar Jaramillo Rodriguez

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Education

UC Berkeley, Undergraduate

2014-Present

College of Letters & Sciences, B.A. Applied Mathematics

GPA: 3.9

United World College-USA High School

Graduated: 2014

Bilingual International Baccalaureate Diploma

Awards & Honors

UC Berkeley Dean's Honors List

5 of 6 Semesters

Boy Scouts of America—Eagle Scout

2013

Teaching

Graduate Student Instructor (GSI), Math 54– Linear Algebra & Differential Equations

Fall 2017

- ❖ One of a select handful of undergraduates to receive a GSI position in the math department.
- ❖ Duties: lead two dissertation sections (each meeting for three hours a week), grade weekly homework, write and grade weekly quizzes, help grade exams, hold office hours.
- ❖ Section website: <https://ejaramillo701.github.io/math54.html>

Funded Research Experience

Research Experience for Undergraduates, DIMACS¹, New Brunswick, NJ

Summer 2017

❖ Publications/ Contributions:

- SEAR: a polynomial-time expected constant-factor optimal algorithmic framework for multi-robot path planning (with S. Han and J. Yu), [arXiv:1709.08215].
- Submitted to ICRA² 2018 as contributed paper.

Research Experience for Undergraduates, Muhlenberg College, Allentown, PA

Summer 2016

❖ Presentations:

- Young Mathematicians Conference 2016, The Ohio State University. Unique Integers on the Catalan Triangle. August 20th, 2016. (Poster Presentation)
- Joint Mathematics Meeting 2017, Atlanta, GA. Unique Integers on the Catalan Triangle. January 6th, 2017. (Poster Presentation)

❖ Publications/ Contributions:

- Sequences A275586 and A275481 in the Online Encyclopedia of Integer Sequences.
- Paper in preparation.

Skills

Languages: Native Spanish and English speaker, proficient in French.

Computer/Programming: Extensive experience with Python, SQL, Latex, & Sage. Proficient with Matlab and HTML.

¹ Center for Discrete Math and Theoretical Computer Science at Rutgers University

² International Conference on Robotics and Automation

Extra-Curricular Activities & Other Employment

Officer, Math Undergraduate Student Association

Fall 2016-Present

- ❖ Served as Outreach Chair from Fall 2016-Spring 2017 and as Publicity Chair since Fall 2017.
- ❖ Duties include helping plan and advertise events. Took a leading role in planning a panel on diversity in mathematics in Fall 2016 as well as a panel on REU's in Spring 2017.
- ❖ Website: <https://musa.berkeley.edu>

Director, Bridging Berkeley

Fall 2015-Spring 2017

- ❖ Bridging Berkeley is a math mentorship program between UC Berkeley's Public Service Center and Berkeley Unified School District. I served as director from the program's inception in Fall 2015 until Spring of 2017.
- ❖ The program now employs over 30 mentors, primarily UC Berkeley students, and serves over 100 middle-school students per semester.
- ❖ I stepped away to pursue other extra-curricular interests and to provide the leadership opportunity to other students so that the program could live on after I graduate.
- ❖ Website: <http://publicservice.berkeley.edu/programs/bridging-berkeley>