

# Edgar Jaramillo Rodriguez

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## Education

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### UC Berkeley, Undergraduate

2014-Present

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

GPA: 3.94

### United World College-USA High School

Graduated: 2014

Bilingual International Baccalaureate Diploma

## Awards & Honors

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UC Berkeley Dean's Honors List

5 of 6 Semesters

Boy Scouts of America—Eagle Scout

2013

## Teaching

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

Fall 2017

- ❖ One of two undergraduates to receive a GSI position in the math department this semester.
- ❖ Duties: leading two dissertation sections (each meeting for three hours a week), grade weekly homework assignments, write and grade weekly quizzes, help grade midterms and final exam, hold office hours.
- ❖ Section website:

## Research Experience

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### Research Experience for Undergraduates, DIMACS<sup>1</sup>, New Brunswick, NJ

Summer 2017

#### ❖ Publications/ Contributions:

- Project title: "Constant-Factor Optimal Multi-Robot Path Planning on the Plane."
- Paper in preparation with Jingjin Yu, University of Rutgers Computer Science.

### 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 20<sup>th</sup>, 2016. (*Poster Presentation*)
- Joint Mathematics Meeting 2017, Atlanta, GA. "Unique Integers on the Catalan Triangle." January 6<sup>th</sup>, 2017. (*Poster Presentation*)

#### ❖ Publications/ Contributions:

- Project title: "Unique Integers on the Catalan Triangle."
- Sequences A275586 and A275481 in the Online Encyclopedia of Integer Sequences.

## Skills

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

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

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<sup>1</sup> Center for Discrete Math and Theoretical Computer Science at Rutgers University

## *Extra-Curricular Activities*

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### **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 during the Fall 2017 semester.
- ❖ 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>