

# Edgar Jaramillo Rodriguez

<http://ejaramillo701.github.io>

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Mobile : (714) 325-4500

## EDUCATION

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- **University of California, Davis** Davis, CA  
*PhD. Candidate in Mathematics* Sep. 2018–
- **University of California, Berkeley** Berkeley, CA  
*B.A. Applied Mathematics; GPA: 3.88* Aug. 2014 – May 2018

## AWARDS AND HONORS

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- **Eugene Cota Robles Graduate Fellowship** UC Davis  
*University of California, Davis* Sep. 2018 - July 2019
- **Mathematics Department Fellowship** UC Davis  
*University of California, Davis* Sep. 2018 - July 2019

## TEACHING EXPERIENCE

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- **Undergraduate Student Instructor (UGSI)** UC Berkeley  
*Math 54, Linear Algebra and Differential Equations* Aug. 2017 - Dec. 2017
  - **Responsibilities:** Lead two discussion sections each meeting three hours per week, grade weekly homework, write and grade weekly quizzes, help grade exams, hold office hours.
  - **Section Website:** <https://ejaramillo701.github.io/math54.html>
- **Bridging Berkeley** Berkeley, CA  
*Tutor and Program Director* Aug. 2015 - Jan. 2017
  - **Description:** Bridging Berkeley is a math mentorship program between UC Berkeley's Public Service Center and Berkeley Unified School District. I worked as a mentor and co-director from the program's inception in Fall 2015.
  - **Program Website:** <http://publicservice.berkeley.edu/programs/bridging-berkeley>

## RESEARCH EXPERIENCE

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- **Research Experience for Undergraduates** New Brunswick, NJ  
*Center for Discrete Math and Theoretical Computer Science at Rutgers University* Jun. 2017 - Aug. 2017
  - **Publications:** *SEAR: a polynomial-time expected constant-factor optimal algorithmic framework for multi-robot path planning* (with S. Han and J. Yu), [arXiv:1709.08215].
- **Research Experience for Undergraduates** Allentown, PA  
*Muhlenberg College Department of Mathematics* Jun. 2016 - Aug. 2016
  - **Presentations:** 1. Young Mathematicians Conference 2016, The Ohio State University. *Unique Integers on the Catalan Triangle*. August 20th, 2016. (Poster Presentation) 2. Joint Mathematics Meeting 2017, Atlanta, GA. *Unique Integers on the Catalan Triangle*. January 6th, 2017. (Poster Presentation)
  - **Publications:** Sequences A275586 and A275481 in the Online Encyclopedia of Integer Sequences.

## EXTRACURRICULAR ACTIVITIES

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- **Math Undergraduate Student Association** UC Berkeley  
*Outreach and Oublicity Chair* Aug. 2016 - May. 2018
  - **Description:** 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>

## OTHER SKILLS AND INTERESTS

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- **Programming:** : Python, SQL, HTML, Matlab, pandas, matplotlib, seaborn, jupyter, sklearn
- **Languages:** : English and Spanish (fluent); French (proficient)
- **Personal:** : recreational basketball, tennis, board games. Applications of data science in professional sports.