

Edgar Jaramillo Rodriguez

(714) 325-4500 • ejaramillo@math.ucdavis.edu

Department of Mathematics, UC Davis,
2139 Mathematical Sciences Building

Education

University of California Davis, Ph.D. Mathematics (*in progress*)

2018-Present

University of California Berkeley, B.A. Applied Mathematics

2014-2018

Awards & Honors

Eugene Cota Robles Fellowship

Fall 2018- Summer 2020

Boy Scouts of America—Eagle Scout

2013

Publications

Primes and Perfect Powers in the Catalan Triangle

[pdf](#)

with N. Benjamin, G. Fickes, E. Fiorini, E. Jovinelly, and T.W.H. Wong

Journal of Integer Sequences Vol. 22 (2019), Issue 6, Paper 7

A Polynomial-Time MRPP Algorithm with Expected Constant-Factor Optimality Guarantee

[pdf](#)

with S.D. Han and J. Yu

Conference Paper: 2018 IEEE/RSJ International Conference on Intelligent Robots and Systems

Sequences [A275586](#), [A275481](#)

with N. Benjamin, E. Fiorini, and E. Jovinelly

Online Encyclopedia of Integer Sequences (accepted 2016)

Teaching

Undergraduate Student Instructor (UGSI), UC Berkeley

Fall 2017

❖ Course: Math 54– Linear Algebra & Differential Equations, Instructor: Michael Hutchings

Undergraduate Research

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, [pdf](#)].

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*)

❖ Publications/ Contributions:

- Sequences [A275586](#) and [A275481](#) in the Online Encyclopedia of Integer Sequences.

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

Skills

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

Computer/Programming: Extensive experience with Python and data science relevant libraries. Proficient in Matlab, SQL, & Sage.

Service and Extracurricular Activities

Graduate Student Association; Math Representative, UC Davis Fall 2019-Present

Math Undergraduate Student Association; Officer, UC Berkeley Fall 2016-Spring 2018

Bridging Berkeley; Founding Director, UC Berkeley Fall 2015-Spring 2017

❖ Website: <http://publicservice.berkeley.edu/programs/bridging-berkeley>