

# Daniel Gonzalez

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## EDUCATION

Florida State University (FSU)

08/2017 - Present

PhD: Mathematics

- Research Interests: Optimization, Machine/Deep Learning, Computer Vision
- Scholarships: Dean's Graduate Scholarship
- GPA: 3.21/4.00

*Florida International University (FIU)*

08/2012 - 05/2016

BSc: Mathematics 3.68/4.00

BSc: Computer Science 3.73/4.00

- Scholarships: National Hispanic *full tuition* & Florida Bright Futures Academic
- McNair Fellow, 12<sup>th</sup> Cohort
- GPA: 3.69/4.00

*Miami-Dade College (MDC)*

06/2010 - 04/2012

AA: Mathematics

- National Hispanic Scholar & AP Scholar with Honor
- GPA: 3.86/4.00

## RESEARCH

PURE Math Research Program

06/2015 - 08/2015

- Co-authored “MONOTONE CATENARY DEGREE IN NUMERICAL MONOIDS” preprint
- Advised by Roberto Pelayo & Brian Wissman at the University of Hawai'i at Hilo
- Funded by the National Science Foundation (NSF)

## SKILLS

- Proficient with C++, Python/NumPy, and Java
- Learned in the theory and implementation of convex optimization methods
- Academic experience implementing machine learning algorithms
- Native bilingual proficiency in English and Spanish

## AWARDS

FIU College of Arts &amp; Sciences Award for Math Achievement

04/2016

2nd place at FIU McNair Scholars Research Poster Conference

10/2015

"MONOTONE CATENARY DEGREE IN NUMERICAL MONOIDS"

3rd place at HackFSU for “Pancake Simulator” with Nicholas Madariaga

04/2014

3rd place at FIU Spring programming competition

04/2014

## WORK

*Graduate Teaching Assistant, FSU*

08/2017 - Present

- Instructor of Record: Precalculus
- Lab TA: Finite Math, Liberal Arts Math, Trigonometry, and Business Calculus

*Undergraduate Learning Assistant, FIU*

01/2013 - 07/2017

- Finite Math, Trigonometry, Pre-Calculus, Discrete Math, Calculus 1, Calculus 2, Intro to Advanced Math, and Graph Theory

*Programming Team, FIU*

08/2013 - 01/2015

- Competed at ICPC 2013 & 2014 Southeastern Regionals