

Daniel Gonzalez

MATHEMATICIAN · COMPUTER SCIENTIST

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Education

University of Notre Dame

PH.D IN COMPUTER SCIENCE

Notre Dame, IN

Jun 2019 – Present

- Research interests include Machine Learning, Optimization, and their applications in Computer Vision and Biometrics.
- Working in the Computer Vision Research Lab under Dr. Adam Czajka.
- Recipient of the Dean's Fellowship.

Florida State University

M.SC. IN MATHEMATICS

Tallahassee, FL

Aug 2017 – May 2019

- Recipient of the Dean's Graduate Scholarship.

Florida International University

B.SC. IN MATHEMATICS & COMPUTER SCIENCE (*cum laude*)

Miami, FL

Aug 2012 – May 2016

- Recipient of the National Hispanic Scholarship (*full tuition & fees*) and the Florida Bright Futures Academic Scholarship.
- McNair Fellow, 12th Cohort.

Miami-Dade College

A.A. IN MATHEMATICS (*summa cum laude*)

Miami, FL

Jun 2010 – Apr 2012

- Full-time dual enrollment through the School for Advanced Studies.
- National Hispanic Scholar and AP Scholar with honor.

Skills

Programming	C++, Python, Haskell
Machine Learning	NumPy, SciPy, scikit-learn
Operating Systems	UNIX/macOS, Linux
Languages	English, Spanish

Honors & Awards

2016	Award for Math Achievement , FIU College of Arts & Sciences	Miami, FL
2015	2nd Place Award , FIU McNair Scholars Research Conference	Miami, FL
2014	3rd Place Trophy & Prize , HackFSU 24-hour Hack-A-Thon	Tallahassee, FL
2014	3rd Place Prize , FIU Spring Programming Competition	Miami, FL
2013	3rd Place , FIU Fall & Spring Programming Competitions	Miami, FL

Research

Monotone Catenary Degree in Numerical Monoids

Hilo, HI

PURE MATH RESEARCH PROGRAM AT THE UNIVERSITY OF HAWAII AT HILO

Jun 2015 – Aug 2015

- Co-authored "MONOTONE CATENARY DEGREE IN NUMERICAL MONOIDS" with C. Wright and J. Zomback.
- Funded by the National Security Agency and the National Science Foundation.

Work Experience

Florida State University, Dept. of Mathematics

Tallahassee, FL

GRADUATE TEACHING ASSISTANT

Aug 2017 – Present

- Recitation Instructor for Discrete Math, Instructor of Record for Precalculus.
- Lab TA for Finite Math, Liberal Arts Math, Trigonometry, Precalculus, and Business Calculus.

Florida International University, Dept. of Computer Science

Miami, FL

PROGRAMMING TEAM MEMBER

Aug 2013 – Jan 2015

- Competed at the ICPC 2013 and ICPC 2014 Southeastern Regional programming competitions.
- Participated in several local programming competitions sponsored by Ultimate Software.
- Completed a competitive programming course with fellow team members.