

# DANIEL GONZALEZ





I am a second year PhD student studying Computer Science at the University of Notre Dame. I'm advised by [Tim Weninger](#).

My research is currently focused on modeling the temporal behaviour and evolution of graphs. In particular, I'm interested in interpretable and grammar-based approaches to modeling. More broadly, I'm interested in stochastic analysis and Bayesian statistics.



For fun, I like to learn about ecology and environmental science. For advanced fun, I like to boulder and play music.



## EDUCATION





- Current  
|  
2019
- Ph.D. in Computer Science**  
University of Notre Dame  Notre Dame, IN
    - Recipient of the Dean's Graduate Fellowship.
- 2019  
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2017
- M.Sc. in Mathematics**  
Florida State University  Tallahassee, FL
    - Recipient of the Dean's Graduate Scholarship.
- 2016  
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2012
- B.Sc. in Mathematics and B.Sc. in Computer Science**  
Florida International University  Miami, FL
    - Recipient of the National Hispanic Scholarship.
    - Recipient of the Florida Bright Futures Academic Scholarship.
- 2012  
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2010
- A.A. in Mathematics**  
Miami-Dade College  Miami, FL
    - Dual enrollment through the School for Advanced Studies at Wolfson.
    - National Hispanic Scholar and AP Scholar with Honor.

## RESEARCH EXPERIENCE

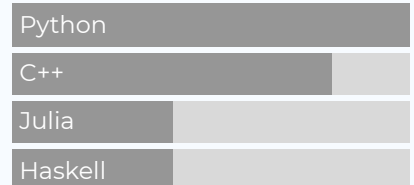
- Current  
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2019
- Graduate Research Assistant**  
Weninger Lab @ Notre Dame  Notre Dame, IN
    - Working on the Infinity Mirror Test for Graph Models with Satyaki Sikdar, Trenton Ford, and Tim Weninger.
- 2020  
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2019
- Graduate Research Assistant**  
Computer Vision Research Lab @ Notre Dame  Notre Dame, IN
    - Helped develop the methodology, collect data, and write code for the Contactless Fingerprint Collection project.
    - Worked alongside Aidan Draper under the direction of Adam Czajka.

View online with links at  
<https://daniel-gonzalez-cedre.github.io/cv/cv.html>

## CONTACT

 [dgonza26@nd.edu](mailto:dgonza26@nd.edu)  
 [daniel-gonzalez-cedre](https://github.com/daniel-gonzalez-cedre)  
 [daniel-gonzalez-cedre](#)  
 [daniel-gonzalez-cedre.github.io](https://github.com/daniel-gonzalez-cedre)

## LANGUAGE SKILLS



*Last updated on 2020-07-25.*

- 2015 ● **Undergraduate Researcher**  
 PURE Math Summer Research Program 📍 Hilo, Hawaii
- Co-authored Monotone Catenary Degree in Numerical Monoids with Cameron Wright and Jenna Zomback.
  - Worked under the direction of Robert Pelayo and Brian Wissman.

## TEACHING EXPERIENCE

- 2020 | 2019 ● **Graduate Teaching Assistant**  
 University of Notre Dame 📍 Notre Dame, IN
- TA for Discrete Math and Data Structures.
- 2019 | 2018 ● **Graduate Student Instructor**  
 Florida State University 📍 Tallahassee, FL
- Instructor of record for Precalculus Algebra.
  - Recitation instructor for Discrete Math.
- 2018 | 2017 ● **Graduate Teaching Assistant**  
 Florida State University 📍 Tallahassee, FL
- TA for Precalculus Algebra, Business Calculus, Trigonometry, Finite Math, and Liberal Arts Math.
- 2017 | 2013 ● **Undergraduate Learning Assistant**  
 Florida International University 📍 Miami, FL
- LA for Calculus 1, Calculus 2, Intro to Adv. Math, Graph Theory, Discrete Math, Finite Math, and College Algebra.

## PUBLICATIONS, POSTERS, AND TALKS

- 2020 ● **The Infinity Mirror Test for Graph Generators**  
 SIAM Network Science Workshop
- Contributed talk.
  - Authored with Satyaki Sikdar and Tim Weninger.
- 2015 ● **Monotone Catenary Degree in Numerical Monoids**  
 arXiv Preprint
- Authored with Cameron Wright and Jenna Zomback.
- 2015 ● **Monotone Catenary Degree of Numerical Monoids**  
 FIU McNair Scholars Research Conference
- Contributed poster presentation. Won the second place award.
  - Authored with Cameron Wright and Jenna Zomback