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.

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

EDUCATION

Current | 2019

Ph.D. in Computer Science

University of Notre Dame — Notre Dame, IN

- Recipient of the Dean's Graduate Fellowship.

2019 | 2017

M.Sc. in Mathematics

Florida State University — Tallahassee, FL

- Recipient of the Dean's Graduate Scholarship.

2016 | 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 | 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 | 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 | 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.

CONTACT

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LANGUAGE SKILLS

- Python
- C++
- Julia
- Haskell

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