Daniel Gonzalez
Mathematician, Computer Scientist

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Education

Philosophiae Doctor, Computer Science, *University of Notre Dame*	*in progress*
Master of Science, Mathematics, *Florida State University*	2019
Bachelor of Science, Mathematics, *Florida International University*	2016
Bachelor of Science, Computer Science, *Florida International University*	2016
Associate of Arts, Mathematics, *Miami-Dade College*	2012

Research

Intern Research Scientist, Lawrence Livermore National Laboratory	2020–present
Graduate Research Assistant, Weninger Lab @ *University of Notre Dame*	2019–present
Graduate Research Assistant, Computer Vision Research Lab @ *University of Notre Dame*	Jun–Nov 2019
Undergraduate Researcher, PURE Math Summer Research Program @ *University of Hawai'i*	Summer 2015

Teaching

Graduate Teaching Assistant, Dept. of Computer Science, *University of Notre Dame*	2019–2020

· TA for Discrete Math and Data Structures

Graduate Student Instructor, Dept. of Mathematics, *Florida State University*	2018–2019

· Instructor of record for Precalculus Algebra
· Recitation instructor for Discrete Math

Graduate Teaching Assistant, Dept. of Mathematics, *Florida State University*	2017–2018

· TA for Precalculus Algebra, Business Calculus, Trigonometry, Finite Math, and Liberal Arts Math

Undergraduate Learning Assistant, Dept. of Mathematics, *Florida International University*	2013–2017

· LA for Calculus 1 & 2, Intro to Adv. Math, Graph Theory, Discrete Math, Finite Math, and College Algebra

Publications

Conference papers

[1] Joint Subgraph-to-Subgraph Transitions
Justus Hibshman, Daniel Gonzalez, Satyaki Sikdar, Tim Weninger
Web Search and Data Mining, 2021

Preprints and unpublished manuscripts

[1] Monotone Catenary Degree in Numerical Monoids
Daniel Gonzalez, Cameron Wright, Jenna Zomback
arXiv e-prints, arXiv:1912.08114 (Dec. 2019), arXiv:1912.08114

Presentations

[1] The Infinity Mirror Test for Graph Generators
SIAM Network Science · full talk · July, 2020

[2] The Infinity Mirror Test for Graph Generators
Notre Dame 14th Annual Poster Conference · poster presentation · March, 2020

[3] Monotone Catenary Degree in Numerical Monoids
FIU McNair Scholars Research Conference · poster presentation · October, 2015