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Preprints and unpublished manuscripts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