William Sims

Computer & Information Science & Engineering   (904) 504-0400
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Research

Computational geometry and combinatorial rigidity problems which are fundamental to molecular structural physics, chemistry, and biology, such as finding paths in configuration spaces and characterizing the propagation of defects in lattices.

Education

Ph.D. Student in Computer Science   Aug 2018 – Present
     University of Florida, Florida, USA
     Advisor: Dr. Meera Sitharam

B.S. in Mathematics   Apr 2017
     University of North Florida, Florida, USA
     University Honors

B.S. in Computer Science   Apr 2017
     University of North Florida, Florida, USA
     University Honors

Academic Honors / Awards

- McKnight Doctoral Fellowship (2018 – Present)
- Iva and Norman Tuckett ICE Fellowship (2018)
- UNF Presidential Scholarship (2013 – 2017)
- UNF Academic Scholarship (2013 – 2017)
- UNF Honors Fellowship (2014 – 2016)

Work Experience

Graduate Research Assistant   Aug 2019 – Present
     University of Florida, Florida, USA
     Under Dr. Meera Sitharam

Online Instructor   May 2019 – Aug 2019

University of Florida, Florida, USA
COT3100 Applications of Discrete Structures

Graduate Teaching Assistant   Aug 2018 – May 2019

University of Florida, Florida, USA
COT3100 Application of Discrete Structures

Middle / High School Math Teacher   Aug 2017 – Jul 2018

Florida Cyber Charter Academy, Florida, USA

Software Test Analyst Intern   Jun 2017 – Aug 2017

Black Knight Financial Services, Florida, USA

Undergraduate Teaching Assistant   Jan 2016 – Apr 2017

University of North Florida, Florida, USA
Foundations of Mathematics and Advanced Calculus I

Committees

1. Four-Year Public University Representative for the *Florida Collegiate Honors Council*, 2014 – 2015.

2. Constitution Coauthor and Committee Member for the *Honors Student Union* at the University of Florida, 2015 – 2016.

Conference Presentations

1. An Analysis of Refugee Establishments in Jacksonville. Florida Collegiate Honors Conference, Feb 2014 & 2015.