

# Jordan Almeter

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PhD student at North Carolina State University

## EDUCATION

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### PhD Mathematics (ongoing)

2016-Present

*North Carolina State University*

Currently pursuing a PhD in Theoretical Mathematics. Courses taken include Qualifying Exam courses in Combinatorics, Abstract Algebra, and Linear/Lie Algebra. Other courses taken include Topology, Topological Combinatorics, and Numerical Analysis.

### BSc. Mathematics

2012 - 2016

*College of William and Mary*

Graduated Cumma Sum something, maybe Laude, need to look that up

## RESEARCH EXPERIENCE

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### Graduate Research in Combinatorics

2017-Present

*North Carolina State University*

Research with Dr. Nathan Reading, focusing on Coxeter algebras, cluster algebras, and root systems. Current research is in generalizations of the graph associahedron via truncations of simple polytopes.

### Graph Theory/Combinatorics REU

Summer 2014

*West Virginia University*

Undergraduate Research Experience done at WVU. Focus on 2-rankings of graphs; publication forthcoming in *Graphs and Combinatorics* by Springer.

## PUBLICATIONS

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### Graph 2-rankings

Nov. 2018

*Springer Nature*

Written as part of an undergraduate REU program at West Virginia University with other students. <https://arxiv.org/abs/1607.07132>

## MAJOR CONFERENCES

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### Mid-Atlantic Algebraic Geometry & Combinatorics (MAAGC)

March 2020

*University of Virginia*

Upcoming poster presentation, Generalizing Graph Associahedra for Graphs on Simple Polytopes

### Triangle Area Graduate Math Conference (TAGMaC)

Spring 2019

*North Carolina State University*

Lecture on Graph Associahedra and Hypercube Graph Associahedra

**Cluster Algebras: Twenty Years On (Attended only)**

March 2018

*CIRM in Luminy, France*

Attended conference on cluster algebras

**Combinatorics and Beyond: the Many Facets of Sergey Fomin's Mathematics (Attended only)**

Nov. 2018

*University of Michigan*

Combinatorics conference with a focus on the works of Sergey Fomin, i.e. cluster algebras

## **TEACHING EXPERIENCE**

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**Calculus for Life and Management Sciences I**

Summer 2018

*North Carolina State University*

In Summer 2018 I taught a Calculus I course for undergraduates as sole instructor.

**Teachers Assistant**

2016-Present

*North Carolina State University*

I have taught recitations and performed TA duties for calculus I, II, and III for engineers and for non-engineering students.