

# Everett Sullivan

## Curriculum Vitae

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McBryde Hall 463C  
Virginia Tech  
Blacksburg VA

Email: everetts@vt.edu

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### ACADEMIC APPOINTMENTS

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#### Virginia Tech, Blacksburg, Virginia

Lecturer

August 2019 - Present

#### Lewis & Clark College, Portland, Oregon

Visiting Assistant Professor of Mathematics

September 2017 - August 2019

### EDUCATION

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#### Dartmouth College, Hanover, New Hampshire

Ph.D, Mathematics

June 2017

Adviser: Peter Doyle

Dissertation: Linear Chord Diagrams with Long Chords

Masters Degree, Mathematics

June 2014

#### Seattle University, Seattle, Washington

Bachelor of Science, Mathematics

June 2012

Bachelor of Science, Computer Science

June 2012

### WORKSHOPS

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The Academy of Inquiry Based Learning (AIBL) 2019 General  
Workshop

June 25-28, 2019

### TEACHING EXPERIENCE

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#### Instructor, *Virginia Tech*

Designed daily lectures. Wrote and graded homework, quizzes, and exams.  
Fully responsible for delivering course content and material.

Math 2204: Multivariable Calculus (2 Sections)	Fall 2021
Math 3054: Programming for Math	Fall 2021
Math 1226: Calculus II (3 Sections)	Summer 2021
Math 3054: Programming for Math	Spring 2021
Math 1225: Calculus I (2 Section)	Fall 2020
Math 1225: Calculus I	Fall 2020
Math 1226: Calculus II (3 Sections)	Summer 2020
Math 1225: Calculus I (3 Sections)	Spring 2020
	Fall 2019

**Instructor, Lewis & Clark College**

Designed syllabi and daily lectures. Wrote and graded homework, quizzes, and exams.  
Fully responsible for course content and material.

Math 103: Perspectives in Mathematics	Spring 2019
Math 215: Discrete Mathematics	Spring 2019
Math 103: Perspectives in Mathematics	Fall 2018
Math 131: Calculus I	Fall 2018
Math 355: Geometry	Fall 2018
Math 103: Perspectives in Mathematics	Summer 2018
Math 215: Discrete Mathematics	Spring 2018
Math 225: Linear Algebra	Spring 2018
Math 325: Combinatorics	Spring 2018
Math 215: Discrete Mathematics	Fall 2017
Math 103: Perspectives in Mathematics	Fall 2017

**Instructor, Dartmouth College**

Designed syllabi and daily lectures. Wrote and graded homework, quizzes, and exams.  
Fully responsible for course content and material.

Math 1: Calculus with Algebra	
Math 8: Calculus of Functions of One and Several Variables	Fall 2016
Math 2: Calculus with Algebra and Trigonometry	Winter 2016
	Winter 2015

**Teaching Assistant, Dartmouth College**

Held tutorial sessions three times per week. Graded exams.

Math 8: Calculus of Functions of One and Several Variables	Spring 2014
Math 13: Calculus of Vector-Valued Functions	Fall 2013

**High School Outreach, Hanover, NH**

Exploring Mathematics Workshop: Graph Theory	July 14-18, 2014
Exploring Mathematics Workshop: Groups	July 28-August 1, 2014

## DEPARTMENTAL EXPERIENCE

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**Virginia Tech**

Calculus Placement Assessment Proctoring Coordinator,  
*Reviewed approximately 1500 videos to verify that  
students were following the rules for the Calculus  
Placement Assessment. Conducted follow-up meetings  
with students and/or filed honor code violation reports,  
when necessary.*

Summer 2021

**Virginia Tech**

VT Math Emporium Question Developer, *Used Mathematica coding to create/modify randomized questions requested by course coordinators. The questions are included in VT Math Emporium's practice system, graded quizzes and tests.*

Fall 2021  
Summer 2021

**PRESENTATIONS**

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*Systems of Linear Recurrences with Non-Constant Coefficients*

JMM, Baltimore

January 16-19, 2019

*Linear Chord Diagrams with Long Chords*

Willamette University

March 18, 2018

Brandeis University

March 21, 2017

Summer Combo in Vermont, Saint Michael's College

July 12, 2016

Permutation Patterns 2016, Howard University

June 27 - July 1, 2016

**PUBLICATIONS**

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- [1] N. Cameron and E. Sullivan. Peakless motzkin paths with marked level steps at fixed height. *Discrete Mathematics*, 344(112154), 2021.
- [2] E. Sullivan. Linear chord diagrams with long chords. *The Electronic Journal of Combinatorics*, 24(4), 2017.

**AWARDS & HONORS**

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**Dartmouth College**

Dartmouth College Graduate Fellowship

September 2012 — June 2017

Outstanding Graduate Student Teacher

April 13, 2016

**ADDITIONAL SKILLS**

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C/C++, Java,  $\text{\LaTeX}$ , Python, Rust, Mathematica, MATLAB