

# MATTHEW C. SULLIVAN

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## EDUCATION

**Trinity College, Hartford, CT**      *B.S., Mathematics, May 2020*      **GPA: 3.789**  
Honors: *cum laude*, Pi Mu Epsilon Math Honors Society, Phi Gamma Delta Prize in Mathematics (First Prize, 2019)  
Relevant Coursework: Probability, Mathematical Statistics, Mathematics of Finance, Numerical Analysis

## TECHNICAL SKILLS

*Languages:* Python, Java, R, VBA, PowerShell, SQL, MATLAB, L<sup>A</sup>T<sub>E</sub>X      *Libraries:* SciPy, NumPy, Matplotlib, GAP  
*Tools:* Excel, Word, PowerPoint, Access, Bloomberg Terminal, SageMath, Anaconda, Stata, Mathematica, PyCharm, VSCode

## RESEARCH

**Trinity College Summer Research Program**      *May 2018 — February 2019*

*Simultaneous Conjugability of Non-Associative Algebras Constructed from Integers Modulo Powers of Two*

- Built routines in Python using SageMath libraries in Jupyter notebooks to explore subgroups of the automorphism group of integers modulo  $2^n$  for any  $n$
- Generated a regular lattice presentation of subgroups of this form to illustrate subgroup containment
- Determined an algorithm to exhaustively specify these subgroups for any given  $n$
- Developed an approach to test the simultaneous conjugability of certain non-associative algebras constructed algorithmically from the aforementioned subgroups
- Presented lecture with PowerPoint to research faculty and students regarding findings

## PROFESSIONAL EXPERIENCE

**Retail Sales Associate**

*May 2016 — June 2017*

**RadioShack**

*East Haven, CT*

- Interfaced with customers with a wide variety of needs and levels of familiarity with electronics
- Applied consultative sales approach to solve customers' problems, ensuring projects were completed thoroughly and sales were maximized
- Championed promotional items through conversation and merchandising to meet daily, weekly, and monthly sales targets

**Merchandising Execution Associate**

*January 2014 — December 2014*

**The Home Depot**

*Salem, MA*

- Proposed change to project scheduling strategy that was adopted regionally; received award from Northeast Regional Merchandising Manager
- Selected to participate in roundtable meetings regarding performance of the newly restructured merchandising team
- Received four "Homer Awards" from management for outstanding performance
- Executed complex merchandising and construction projects independently and in teams under strict time constraints, contributing to our team consistently leading the region in project completion and hours per project

**Operations and Service Manager**

*March 2011 — July 2013*

**Lincoln Door Systems**

*Rocky Hill, CT*

- Directed team of six overhead door technicians, yielding 35% increase in revenue from service and repair work over 2011
- Specified, approved, and purchased complex, custom-fabricated industrial equipment according to architectural drawings and site walkthroughs, becoming our primary manufacturer's highest-volume dealer in the state in 2012
- Managed all projects from large to small, scheduling all work and acting as primary point of contact for all clients
- Deployed and administered new company-wide CRM software, streamlining communication among sales team members
- Expanded company's web presence by developing a Google AdWords campaign and spearheading the creation of a website

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## ACTIVITIES

<b>Student Government Association, IDP Representative</b>	<i>September 2017 — May 2020</i>
<ul style="list-style-type: none"><li>• Advocated on behalf of Individualized Degree Program students within the larger student body</li><li>• Advanced student interests with faculty and administration through resolutions</li></ul>	
<b>Budget Committee, General Member</b>	<i>February 2019 — May 2020</i>
<ul style="list-style-type: none"><li>• Oversaw roughly \$100,000 worth of Student Activity Fee funds to be disbursed among clubs and student organizations</li><li>• Audited student organizations to ensure compliance with student government expenditure rules</li></ul>	
<b>Trinity College Investment Club, General Member (Real Estate Sector)</b>	<i>September 2017 — December 2018</i>
<ul style="list-style-type: none"><li>• Participated in real estate sector team responsible for approximately 15% of the club's \$500,000 portfolio, with a focus on commercial real estate and REITs</li><li>• Prepared due diligence documents for investment proposals and presented them to general club body</li></ul>	
<b>Trinity College Investment Management Club, General Member</b>	<i>January 2018 — December 2018</i>
<ul style="list-style-type: none"><li>• Managed a virtual portfolio with a quantitative approach to investing</li><li>• Conducted valuations employing DCF and comparable models with extensive use of Bloomberg Terminal</li></ul>	
<b>Aetna Quantitative Center, Tutor</b>	<i>September 2018 — December 2018</i>
<ul style="list-style-type: none"><li>• Tutored students as walk-ins and by appointment in Calculus 1, 2, and 3, Statistics, and Linear Algebra</li></ul>	
<b>Curriculum Committee, Student Representative</b>	<i>September 2018 — August 2019</i>
<ul style="list-style-type: none"><li>• Voted on faculty initiatives regarding curriculum changes, addition and deletion of courses, and graduation requirements</li><li>• Considered student petitions to alter curriculum requirements and create individualized courses of study</li></ul>	
<b>Information Technology in Education, Student Representative</b>	<i>September 2018 — May 2019</i>
<ul style="list-style-type: none"><li>• Represented students in discussions of changes to Trinity College's information technology infrastructure, including phone and email systems, digital media delivery, and public-facing website</li></ul>	
<b>Green Campus, General Member</b>	<i>September 2017 — May 2020</i>
<ul style="list-style-type: none"><li>• Promoted sustainable and environmentally friendly practices among school administration and student body</li><li>• Organized the annual GreenFest event to raise awareness and foster conversation regarding sustainability practices at Trinity</li><li>• Implemented a successful composting program at Trinity dining halls and senior housing, greatly reducing landfill-bound food waste</li><li>• Coordinated and attended neighborhood cleanup events in local green spaces</li></ul>	
<b>Individualized Degree Program Association (IDPA), Vice President</b>	<i>September 2018 — August 2019</i>
<ul style="list-style-type: none"><li>• Planned social and academic events for students in the Individualized Degree Program</li></ul>	