

# ATHINA AVRANTINI

Philadelphia, PA ♦ +1(802)478-4446 ♦ athinaavrantini@gmail.com

## EDUCATION

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<b>University of Pennsylvania</b>	May 2028
Ph.D. in Mathematics	
<b>Dartmouth College</b>	June 2023
Bachelor of Arts: Major in Mathematics, Minor in Computer Science	GPA 3.74

## AWARDS

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<b>John J. Byrne Jr. Prize in Mathematics, Dartmouth College</b>	November 2022
A \$35,000 fellowship that recognizes the top Dartmouth graduating mathematics major interested in continuing mathematics at the graduate level.	

## TEACHING

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<b>Ross Mathematics Program</b>	June 2022 - July 2022, June 2023 - July 2023
<i>Counselor</i>	
<ul style="list-style-type: none"><li>Mentored advanced high school students and graded their number theory problem sets, gave a series of math lectures, and supervised a student research project.</li></ul>	
<b>Computer Science Department, Dartmouth College</b>	January 2022 - November 2022
<i>Teaching Assistant</i>	
<ul style="list-style-type: none"><li>Held office hours, guided students during problem solving sessions, and graded homework sets for Discrete Mathematics in Computer Science</li></ul>	
<b>Mathematics Department, Dartmouth College</b>	September 2020 - November 2021
<i>Grader</i>	
<ul style="list-style-type: none"><li>Graded weekly homework sets for Multivariable Calculus, Real Analysis, and Differential Equations.</li></ul>	
<b>Tutoring Clearinghouse, Dartmouth College</b>	September 2019 - June 2020
<i>Peer Tutor</i>	
<ul style="list-style-type: none"><li>Provided weekly instruction and homework assistance to peers in Calculus and Linear Algebra</li></ul>	

## ACTIVITIES

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<b>Mathematics Department, Dartmouth College</b>	June 2021 - September 2021
<i>Research Assistant</i>	
<ul style="list-style-type: none"><li>Investigated phenomena in the intersection between low-dimensional topology and contact geometry under the mentorship of Professor Ina Petkova and Dr. C.-M. Michael Wong.</li><li>Collaborated with two other students to build a GUI that manipulates planar diagrams of Legendrian knots</li></ul>	
<b>Mathematics Department, Dartmouth College</b>	January 2022 - March 2022
<i>Directed Reading Program Participant</i>	
<ul style="list-style-type: none"><li>Paired with a graduate student mentor and read <i>Rational Points on Elliptic Curves</i> by Silverman and Tate, culminating in an expository presentation</li></ul>	
<b>Association of Women in Mathematics, Dartmouth College</b>	November 2021 - November 2022
<i>Vice President</i>	

## SKILLS

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Technical Skills: Python, Java, C, L<sup>A</sup>T<sub>E</sub>X, SageMath, HTML/CSS  
Languages: Greek (Native), English (Fluent; Toefl iBT 117/120), German (B1)