

# R. TEAL WITTER

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## EDUCATION

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**NYU Tandon**

PhD in Computer Science

*September 2020 - Present*

**Middlebury College**

BA in Mathematics

BA in Computer Science

*February 2017 - May 2020*

Summa Cum Laude

[Phi Beta Kappa](#)

## RESEARCH INTERESTS

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Query problems, graph theory, quantum computing

## NATIONAL AWARDS

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[Fulbright Scholar](#) (I declined due to COVID)

2020

[Goldwater Scholar](#)

2019

[Academic All-American](#) (National Speech and Debate Association)

2016

## PEER-REVIEWED CONFERENCE PROCEEDINGS

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Alex Lyford, R. Teal Witter. (2020). [Applications of Graph Theory and Probability in the Board Game \*Ticket to Ride\*](#). *15th International Conference on the Foundations of Digital Games*.

Kai DeLorenzo, Shelby Kimmel, R. Teal Witter. (2019). [Applications of the Quantum Algorithm for \*st\*-Connectivity](#). *14th Conference on the Theory of Quantum Computation, Communication and Cryptography*, vol 135, pp 6:1-14.

## TALKS

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[Applications of Graph Theory and Probability in the Board Game \*Ticket to Ride\*](#). *MAA Contributed Paper Session at the Joint Mathematics Meetings*, January 16, 2020, Denver, CO.

[Applications of the Quantum Algorithm for \*st\*-Connectivity](#). *Conference on the Theory of Quantum Computation, Communication and Cryptography*, June 3, 2019, College Park, MD.

## TEACHING

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I tutored the following Middlebury classes:

MATH 345: Combinatorics

Spring 2020

MATH 310: Probability

Fall 2019

MATH 223: Multivariable Calculus

Spring 2019

MATH 200: Linear Algebra

Fall 2018

CSCI 302: Algorithms and Complexity

Spring 2020

CSCI 333: Quantum Computing

Fall 2019

CSCI 201: Data Structures

Spring 2019

CSCI 200: Math Foundations of Computing

Spring, Fall 2018