

R. TEAL WITTER

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EDUCATION

NYU Tandon Ph.D. in Computer Science	<i>September 2020 - Present</i>
Middlebury College B.A. in Mathematics B.A. in Computer Science	<i>February 2017 - May 2020</i> Phi Beta Kappa

RESEARCH INTERESTS

Algorithms, graph theory, stochastic processes, quantum computing, query models

NATIONAL AWARDS

Fulbright Scholar (I declined due to COVID)	2020
Goldwater Scholar	2019
Academic All-American (National Speech and Debate Association)	2016

PEER-REVIEWED CONFERENCE PROCEEDINGS

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

[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

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