

R. TEAL WITTER

rtealwitter@gmail.com / www.rtealwitter.com

EDUCATION

NYU Tandon PhD in Computer Science	<i>September 2020 - Present</i>
Middlebury College BA in Mathematics BA in Computer Science	<i>February 2017 - May 2020</i> Summa Cum Laude Phi Beta Kappa

RESEARCH INTERESTS

Query problems, graph theory, quantum computing

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