

R. TEAL WITTER

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EDUCATION

NYU Tandon

Ph.D. in Computer Science

September 2020 - Present

Middlebury College

B.A. in Mathematics

B.A. in Computer Science

February 2017 - May 2020

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