

Nathaniel Grammel

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Education	M.S. in Computer Science , New York University Thesis Advisor: Lisa Hellerstein	Jan 2017
	B.S. in Computer Science , New York University	Jan 2017
Research Experience	NYU School of Engineering Studied approximation algorithms for submodular cover problems with applications to learning theory and boolean function evaluation. Achieved results on approximation factors for the problem in a scenario setting.	2014-present
	SUNY Potsdam and Clarkson University Investigated quantum walks on graphs, a quantum computation analog to classical random walks. Studied notions of perfect and pretty good state transfer and used algebraic graph theory to investigate graphs with the state transfer properties.	Summer 2016
Publications	N. Grammel, L. Hellerstein, D. Kletenik, P. Lin. Scenario Submodular Cover. <i>To appear</i> .	
Talks and Posters	“Scenario Submodular Cover.” Talk at the Workshop on Approximation and Online Algorithms (WAOA) 2016 “Scenario Submodular Cover.” Poster at the New York Academy of Sciences Machine Learning Symposium 2016	
Teaching Experience	NYU School of Engineering , Department of Computer Science <i>Teaching Assistant</i> Theory of Computation (graduate) Design and Analysis of Algorithms Data Structures Discrete Mathematics	2014 – 2016
Awards	Promise Scholarship Award, <i>NYU School of Engineering</i>	2012 – 2016
Employment	New York University Opportunity Program Tutor, Computer Science and Mathematics	2013 – 2016