

Thomas T.C.K. Zhang

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Interests	Convex optimization, signal processing, statistical learning theory, spectral graph theory, algorithmic complexity theory.	
Education	<i>B.S. Mathematics, Statistics & Data Science</i> Yale University	Aug 2015 – May 2019
Experience	<i>Postgraduate Researcher</i> Kluger Lab, Yale University Applied Mathematics Program	June 2019 – Present
	<i>Undergraduate Researcher</i> Yale University Department of Statistics & Data Science	Fall 2018 – May 2019
	<i>Undergraduate Researcher</i> Yale Department of Computer Science	Fall 2017 – May 2019
	<i>Summer Research Intern</i> Yale Institute of Network Science	Summer 2018
Awards	<i>Yale Dean's Research Fellowship</i>	2018
Presentations	<i>Discrepancy Theory: Balancing Shopping Carts and Patting Dirt</i> Yale Mellon Forum	Nov 2018
Teaching and Community	<i>Yale Undergraduate Teaching Assistant</i> MATH 300 Topics in Analysis MATH 222 Linear Algebra and Applications MATH 244 Discrete Mathematics	Spring 2019 Spring 2018, Fall 2018 Fall 2017
	<i>Yale Math Competitions Organizer</i> Math Majors of America Tournament for High School Students, Yale Girls in Math Competition	Spring 2018 Fall 2017
	<i>Yale Splash Instructor</i> Class title: Taming Infinity	Fall 2017
Technical	<i>Programming Languages</i> C, Python, Julia, R, MATLAB, L ^A T _E X	
Research	Zhang, Thomas T.C.K., “Sparse Optimization on General Atomic Sets: Greedy and Forward-Backward Algorithms,” pre-print.	2019 [pdf] [arxiv]