Thomas T.C.K. Zhang

Address
Arthur K. Watson Hall, Room 114
51 Prospect Street,
New Haven, CT 06510

Contact
`thomaszh3.github.io`
`thomas.zhang@yale.edu`

Interests	Convex optimization, signal processing, statistical learning theory, spectral graph theory, algorithmic complexity theory.	
Education	*B.S. Mathematics, Statistics & Data Science* Yale University	Aug 2015 – May 2019
Experience	*Postgraduate Researcher* Kluger Lab, Yale University Applied Mathematics Program	June 2019 – Present
	Undergraduate Researcher Yale University Department of Statistics & Data Science	Fall 2018 – May 2019
	Undergraduate Researcher Yale Department of Computer Science	Fall 2017 – May 2019
	Summer Research Intern Yale Institute of Network Science	Summer 2018
Awards	*Yale Dean's Research Fellowship*	2018
Presentations	*Discrepancy Theory: Balancing Shopping Carts and Patting Dirt* Yale Mellon Forum	Nov 2018
Teaching and Community	*Yale Undergraduate Teaching Assistant* MATH 300 Topics in Analysis MATH 222 Linear Algebra and Applications MATH 244 Discrete Mathematics	 Spring 2019 Spring 2018, Fall 2018 Fall 2017
	Yale Math Competitions Organizer Math Majors of America Tournament for High School Students, Yale Girls in Math Competition	 Spring 2018 Fall 2017
	Yale Splash Instructor Class title: Taming Infinity	 Fall 2017
Technical	*Programming Languages* C, Python, Julia, R, MATLAB, LATEX	
Research	Sparse Optimization on General Atomic Sets: Greedy and Forward-Backward Algorithms [pdf]	2019