

## Thomas T.C.K. Zhang

### Address

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### Contact

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<b>Interests</b>	Convex optimization, signal processing, statistical learning theory, spectral graph theory, algorithmic complexity theory.	
<b>Education</b>	<i>B.S. Mathematics, Statistics &amp; Data Science</i> Yale University	Aug 2015 – May 2019
<b>Experience</b>	<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
<b>Awards</b>	<i>Yale Dean's Research Fellowship</i>	2018
<b>Presentations</b>	<i>Discrepancy Theory: Balancing Shopping Carts and Patting Dirt</i> Yale Mellon Forum	Nov 2018
<b>Teaching and Community</b>	<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
<b>Technical</b>	<i>Programming Languages</i> C, Python, Julia, R, MATLAB, L <sup>A</sup> T <sub>E</sub> X	
<b>Research</b>	Sparse Optimization on General Atomic Sets: Greedy and Forward-Backward Algorithms [pdf]	2019