

# Kevin Zhou

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CONTACT INFORMATION	Stanford Institute for Theoretical Physics 382 Via Pueblo Mall, Stanford, CA 94305-4060	<a href="mailto:knzhou@stanford.edu">knzhou@stanford.edu</a> +1 (848) 565 4928
EDUCATION	<b>Stanford University</b> PhD in Physics	(expected) 2019 – 2024
	<b>Oxford University</b> (New College) MSc in Mathematical and Theoretical Physics with distinction	2018 – 2019
	<b>Cambridge University</b> (St. John's College) Master of Advanced Study in Mathematics with distinction	2017 – 2018
	<b>Massachusetts Institute of Technology</b> Bachelor of Science in Physics and Mathematics	2013 – 2017
PROFESSIONAL EXPERIENCE	<b>Dropbox</b> , Software Engineering Intern <ul style="list-style-type: none"><li>• Developed new feature-gating and AB testing system for Dropbox apps and website</li><li>• Improved data pipelines to enable real-time user targeting for marketing campaigns</li></ul>	Summer 2015
	<b>Facebook</b> , Software Engineering Intern <ul style="list-style-type: none"><li>• Designed and built search ranking evaluation tool, achieving 5x speedup for results</li><li>• Developed search quality metrics using machine learning and human opinion data</li></ul>	Summer 2014
PUBLICATIONS	<ol style="list-style-type: none"><li>1. C. Frye, A. Larkoski, J. Thaler, K. Zhou, <i>Casimir Meets Poisson: Improved Quark/Gluon Discrimination with Counting Observables</i>, JHEP (2017)</li><li>2. B. Elder, M. Procura, J. Thaler, W. Wallewijn, K. Zhou, <i>Generalized Fragmentation Functions for Fractal Jet Observables</i>, JHEP (2017)</li><li>3. J. Horowitz, K. Zhou, J. England, <i>Minimum Energetic Cost to Maintain a Target Nonequilibrium State</i>, Phys. Rev. E (2017)</li></ol>	
FELLOWSHIPS AND AWARDS	NSF Graduate Research Fellowship	2017 – 2022
	Marshall Scholarship	2017 – 2019
	Demuth Prize, New College	2019
	Dirac Prize, St. John's College	2018
	Finalist, Hertz Fellowship	2017
	Joel Matthew Orloff Award for Outstanding Research, MIT	2017
	Honorable Mention, Putnam Mathematical Competition	2016, 2017
	Gold Medal, International Physics Olympiad	2012, 2013
	Winner, USA Junior Mathematical Olympiad	2011

ACTIVITIES	Coach, U.S. Physics Olympiad	2015 – present
	<ul style="list-style-type: none"> <li>• Mentored and motivated students at yearly training camps</li> <li>• Developed and taught classes on wave mechanics, problem solving, and lab skills</li> <li>• Wrote, edited, and graded national Olympiad problems</li> </ul>	
	Vice President, Society of Physics Students	2014 – 2016
	<ul style="list-style-type: none"> <li>• Directed seminar on advanced mathematical methods in physics</li> <li>• Taught introductory high school classes on quantum cryptography, dimensional analysis, chirality, and particle physics</li> <li>• Delivered lightning lectures and research talks to undergraduates</li> </ul>	