

# Jinchen Zhao

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EDUCATION	<b>Yale University</b> , New Haven, CT Ph.D. Student, Applied Physics	Aug 2023 –
	<b>Duke Kunshan University (DKU)</b> , Kunshan, China <b>Duke University</b> , Durham, NC B.S., Dual-degree, Applied Mathematics	2019 – 2023
RESEARCH INTEREST	<b>Quantum Information, Deep Learning, Quantum Optics.</b> Quantum-Enhanced Physical Neural Networks, Nonlinear Photonics, Quantum Phase Transitions.	
RESEARCH EXPERIENCE	<i>Graduate Research Assistant</i> , Yale University Advisor: Dr. Logan Wright	Aug 2023 –
	<i>Undergraduate Research Assistant</i> , Duke Kunshan University Advisor: Dr. Myung-Joong Hwang	2021 – 2023
	<i>Undergraduate Research Assistant</i> , Duke University Advisor: Dr. Kenneth Brown	Spring 2022
	<i>Undergraduate Research Assistant</i> , Duke Kunshan University Advisor: Dr. habil. Kai Huang	2019 – 2021
PUBLICATIONS	<ul style="list-style-type: none"><li>[1] <b>Jinchen Zhao</b> and Myung-Joong Hwang, <i>Frustrated Superradiant Phase Transition</i>, <i>Phys. Rev. Lett.</i> <b>128</b>, 163601 (2022).</li><li>[2] <b>Jinchen Zhao</b> and Myung-Joong Hwang, <i>Anomalous criticality with bounded fluctuations and long-range frustration induced by broken time-reversal symmetry</i>, <i>Phys. Rev. Research</i> <b>5</b>, L042016 (2023).</li><li>[3] Stefan Köstler, <b>Jinchen Zhao</b>, Chen Lyu, Simeon Völkel and Kai Huang, <i>Embedded Inertial Sensor for Tracking Projectile Impact on Granular Media</i>, <i>EPJ Web Conf. Volume 249</i> (2021).</li></ul>	
HONORS	Yale Engineering Roberts Innovation Fund Yale Sterling Prize Fellowship Zu Chongzhi Math Student First Award DKU <i>agna cum laude</i> Latin Honor DKU Graduation with Distinction Summer Research Scholar Fellowship National Encouragement Scholarship DKU Natural & Applied Science Division Award Summer Research Scholar Fellowship DKU Full Scholarship	2025 2023 2023 2023 2023 2022 2021 2020 2020 2019
SKILLS	Proficient in Python (Pytorch, Qutip, Qiskit), Mathematica, GitHub, L <sup>A</sup> T <sub>E</sub> X	