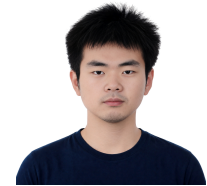


# YIREN LU

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EDUCATION	<b>LAMSADE, Université Paris-Dauphine, PSL University</b> Paris, France <i>Ph.D. in Computer Science</i> 2025.10 - Present • Advisor: <b>Prof. Michael Lampis</b>
	<b>Institute of Computing Technology, Chinese Academy of Sciences</b> Beijing, China <i>MSc(Eng) in Computer Science and Technology</i> 2022.08 - 2025.07 • Advisor: <b>Prof. Xiaoming Sun</b>
	<b>Beijing University of Posts and Telecommunications</b> Beijing, China <i>B.Eng. (with honours) in Computer Science and Technology</i> 2018.09 - 2022.07 • GPA: 90.34/100 (5%)
PUBLICATIONS	1. <b>Yiren Lu</b> , Guojing Tian, Xiaoming Sun. QAOA with fewer qubits: a coupling framework to solve larger-scale Max-Cut problem. <i>Science China Information Sciences</i> , 2026. (CCF A, CAS Q1 Top, JCR Q1, <a href="#">pdf</a> )
MANUSCRIPTS	1. Yixin Cao, <b>Yiren Lu</b> , Junhong Nie, Xiaoming Sun, Guojing Tian. Toward Minimum Graphic Parity Networks. <i>arXiv preprint arXiv:2509.10070</i> , 2025. ( <a href="#">pdf</a> )
AWARDS & HONORS	• <b>CCF Outstanding Undergraduate Award</b> , China Computer Federation 2021.08 • <b>Gold Medal (ranking 6/1000+)</b> , CCF Collegiate Computer Systems & Programming Contest (CCSP 2020) 2020.10 • <b>Silver Medal</b> , International Collegiate Programming Contest (ICPC), Asia East Continent Final 2019.12 • <b>Silver Medal</b> , China Collegiate Programming Contest (CCPC), Guilin Onsite 2018.11 • <b>Bronze Medal</b> , National Olympiad in Informatics (NOI 2017) 2017.07 • <b>Silver Medal</b> , National Olympiad of Informatics' Winter Camp (WC 2017) 2017.02
INTERESTS	<b>Graph theory and parameterized complexity</b> : graph classes, structural graph parameters, graph algorithms, algorithmic meta-theorems <b>Quantum computation</b> : variational quantum algorithms, quantum circuit design
TEACHING ASSISTANTS	<b>Quantum Computation and Quantum Software</b> (Instructor: Guojing Tian) University of Chinese Academy of Sciences Spring 2024 <b>Data Structures I</b> (Instructor: Guojing Tian) Renmin University of China Autumn 2024
SKILLS	<b>Languages</b> : Chinese, English (TOEFL 104, GRE 324+4) <b>Coding</b> : Python, C++, JavaScript, LaTeX
ACADEMIC SERVICES	<b>Reviewer</b> : European Symposium on Algorithms, International Workshop on Graph-Theoretic Concepts, Theoretical Computer Science, Journal of Combinatorial Optimization, Quantum Science and Technology, Physica Scripta, ACM Transactions on Quantum Computing
HOBBIES	• cooking • working out in gym