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Curriculum Vitae

Qiao-Yi Lin 林橋毅

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Education

B.A. in Computer Science and Information Engineering   2022 – Present
   National Central University

Conference Paper

Jehn-Ruey Jiang, and Qiao-Yi Lin, "Utilizing Novel Quantum Counters for Grover's Algorithm to Solve the Dominating Set Problem," to be presented at the 27th Conference on Quantum Information Processing (QIP 2024), Jan. 13-19, 2024.

Jehn-Ruey Jiang, and Qiao-Yi Lin, "Solving the Maximum Independent Set Problem Using Analog Neutral Atom Quantum Computers," to be presented at the IEEE 5th Eurasia Conference on IoT, Communication, and Engineering (IEEE ECICE 2023), October 27-29, 2023. (Yunlin, Taiwan).

Jehn-Ruey Jiang, and Qiao-Yi Lin, "Comparison performance of D-Wave, Digital annealer, and Graphics annealer solving NP-Hard Problem" to be presented at the TAQCIT 3th Conference, April 14, 2024 (Taipei, Taiwan)

Book Publication

林志鴻、張仁瑀、徐育兆、林橋毅、劉子睿、林侑恆（2021），《量子電腦應用與世界級競賽實務》，一品。

Experience

Research Assistant   **2023- Present**

National Central University, ACAN Lab

➢ Assistant to Professor Jehn-Ruey Jiang, conducting research, reporting papers, and supporting another lab member to conduct research such as distributed Shor's algorithm, quantum machine learning, and Grover's algorithm.

Teaching Assistant   **2022**

National Central University

➢ Assistant to Dr. Szu-Cheng, Cheng, teaching Quantum Experiments and Exercises course at NCU. I provide support to students with coding and mathematics reasoning.

Special Selection Speaker   **2022**

National Chaiyi Senior High School

➢ Sharing the experience of Special Selection for College Admission.

Python Lecturer   **2021**

SITCON Camp 2021

➢ Teaching basic Python coding at a 40-person summer camp.

Quantum Computing Lecturer   **2020-2021**

SQCS Quantum Summer Camp & National Chiayi Senior High School

➢ Teaching quantum computing to more than 100 people from 0 to 1.

Membership

➢ IBM Qiskit Advocate

➢ TAQCIT Student Member