

Gaoxiang Tang

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Education

Renmin University of China

B.S. in Physics

GPA: 3.82/4.0 (2/27)

2020.09 – Present

Haidian, Beijing, China

Research Experience

Research Training for Undergraduates

2022.10 – 2022.11

TIQS Lab at Renmin University of China

Haidian, Beijing, China

- Involved in the implementation of micromotion minimization methods in a single-ion trap at TIQS in Renmin University of China
- Reproduced the theoretical results presented *Micromotion minimisation by synchronous detection of parametrically excited motion* using numerical calculations

Project Pioneer 2.0 Summer School for Physics

2022.07

Tsinghua University

Haidian, Beijing, China

- Attended and completed the Physics Summer School, hosted by the Department of Physics at Tsinghua University.

Research Training for Undergraduates

2022.05 – 2022.06

TIQS Lab at Renmin University of China

Haidian, Beijing, China

- Involved in the theoretical design and instrumentation of an experiment to implement quantum state discrimination in the single ion system using PT-Hamiltonian quantities.
- Wrote part of the Mathematica code used to control the experiment equipment

Internships

Research Intern

2023.01 – Present

Beijing Academy of Quantum Information Sciences

Haidian, Beijing, China

- Involved in the setup ion trap equipment

Awards & Honors

Third Class Undergraduate Study Excellence Scholarship

Renmin University of China

2022.11

Second Class Undergraduate Study Excellence Scholarship

Renmin University of China

2021.12

Special Scholarship for Excellence and Innovation

Renmin University of China

2021.12

Specialized Skills

Programming Languages: Python (intermediate), C++(intermediate), FORTRAN(Beginner)

Research Tools: LaTeX(intermediate), Mathematica (Beginner),

Other Interests

Badminton: Member of the school of science badminton team

Jogging: Has a habit of jogging 5km per day since junior high school

Real-Time-Strategy Games: Fan of *StarCraft* and *Red Alert*