

Qiuyu (Louis) Lu

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Education

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| University of Wollongong, School of Physics Master of Science in medical radiation physics, WAM: 90.6 | Wollongong, Australia 2024.7 – Present |
| Ludwig-Maximilian-Universität München, Fakultät für Physik Master program of physics(withdrew) | Munich, Germany 2020.10 – 2021.3 |
| Huazhong University of Science and Technology, School of Physics Bachelor of Science, major in physics, GPA: 3.50/4 Bachelor thesis: <i>Review on relativistic quantum information</i> Supervisor: Prof. Jianming Cai. | Wuhan, China 2016.9 – 2020.6 |
| Huazhong University of Science and Technology, School of Optoelectronic Information Major in optoelectronic information(later transferred to physics), GPA: 3.86/4 | Wuhan, China 2015.9 – 2016.9 |

Experience

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| Image X Institute, University of Sydney Research project of deep-learning based lung tumour markerless tracking Supervisor: Prof. Paul Keall, Prof. Anatoly Rozenfeld, Dr. Chandrima Sengupta | Sydney, Australia 2025.3 - Present |
| Jinshazhou Hospital of Guangzhou University of Chinese Medicine Radiotherapy shadowing | Guangzhou, China 2024.6 |
| Educational institution Math and physics tutor <ul style="list-style-type: none">• Alevel Math, Alevel Physics; AP Precalculus, AP Calculus, AP Physics• STEP, MAT, PAT• Chinese Physics Olympiad | Shenzhen, China 2022.1 – 2024.1 |
| International Joint Laboratory on Quantum Sensing and Quantum Metrology Undergraduate research assistant <ul style="list-style-type: none">• Quantum sensing and quantum metrology technology• Quantum dynamics in biophotonics• Quantum geometry measurement | Wuhan, China 2018.10 - 2020.06 |

Publications

- Min Yu, Pengcheng Yang, Musang Gong, Qingyun Cao, Qiuyu Lu, Haibin Liu, Shaoliang Zhang, Martin B Plenio, Fedor Jelezko, Tomoki Ozawa, Nathan GoldAman, Jianming Cai, *Experimental measurement of the quantum geometric tensor using coupled qubits in diamond*, National Science Review, vol 7, issue 2, 2020, pp. 254–260

Meetings

- MMND-ITRO 2025, Sydney 2025.2
- American Physical Society March Meeting, Boston 2019.3
- Many body entanglement & topological matter school, SUSTech 2019.1
- Chinese Physical Society Annual Meeting, Wuhan University 2017.12
- National symposium of quantum simulation, Shanxi University 2017.10

Awards & Honours

- Online-Germany Physics Tournament 2020, By20, Best Reviewer 2020.12
- Lecture on scientific big data, PARIS-SUD HONORS 2018.3
- MCM/ICM, Honorable Mention 2018.2
- ITPO for undergraduate Students, Tied 1st place 2018.1
- University Physics Competition, Silver medal 2017.11
- Outstanding undergraduates in terms of academic performance 2017.10
- National Scholarship 2017.10

Skills & Interests

- **Programming:** C/C++, Python, Fortran, R
- **Language:** Mandarin, Japanese, English(TOEFL: R30/L28/S24/W26, GRE: V152+Q170+W3.5)
- **Application:** MATLAB, Mathematica, COMSOL, L^AT_EX, Blender, Adobe PS/PR/Audition
- **Interests:** Photograph, classical music, coffee craft, Chinese calligraphy

