

Lu Niu

PhD Candidate in Physics

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RESEARCH INTEREST

Quantum Computation:

Quantum circuit.

Ab Initio:

The surface effect of metal nano-particles.

EDUCATION

The University of Sydney

Jul. 2019 - Present

PhD of Science in Physics

Subject: Plasmonics

Thesis: Quantum Computation Logic Circuits Realization Based on Plasmon Effects.

GPA: Excepted

University of Science and Technology Beijing

Sep. 2015 - Jun. 2017

MPhil of Science in Physics

Subject: Atom and Molecular Physics

Thesis: Effect of External Field on the IV Characteristics through the Molecular Nano-junction.

GPA: 3.6

EXPERTISE AND TECHNICAL STRENGTHS

Programming: C/C++, Fortran, Python, Julia, \LaTeX

Software: Linux, Git, TensorFlow, VASP, Octopus

Expertise: Mathematical Analysis, Topology, Algorithms, Machine Learning, Density Functional Theory, Plasmonics, Molecular Physics
Quantum Optics, Quantum Computation

Language: Mandarin Chinese (Native), English