

# RONGTIAN LIANG

Pokfulam 144, Hong Kong

☎ 852-54843762 ✉ [liangrongtian2018@126.com](mailto:liangrongtian2018@126.com)

## Education

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**The University of Hong Kong**

Sep. 2019 – Jun. 2020

*Bachelor of Engineering (transferred)*

**The University of Hong Kong**

Sep. 2020 – Jun. 2023

*Bachelor of Science Major in Mathematics*

**University of California, Los Angeles**

Jan. 2022 – Jun. 2022

*Exchange*

**University of Hong Kong**

Jan. 2024 – Now

*Master of Philosophy*

*under the supervision of Prof. Ngaiming Mok*

## Awards and Honours

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Dean's Honours List, Winter 2022

HKU Worldwide Undergraduate Student Exchange Scholarship 2021-2022

## Research Experience

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- Research assistant  
Topic: Representations of Lie groups and Lie algebras
- Undergraduate final year project with Prof. Ngaiming Mok  
Topic: Geometry on Kähler manifolds, Generalized version of Schwarz-type lemma on Kähler manifolds
- Graduate guided study with Prof. Ngaiming Mok  
Topic: Elliptic modular surface and finiteness of Mordell-Weil rank, differential geometric approach to Shioda's theorem.

## Research Interests

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Algebraic geometry and Complex geometry

## Technical Skills

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Languages: Python

## Employments

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- 2022.7-August 2022.8 Research assistant with Dr. Hui Chun Yin at University of Hong Kong, holding weekly seminars  
Topics: Vector bundles, Representations, Compact Lie algebras.