

## Yin Kwan Oscar Li

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### Education & Awards

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**MPhy, Queen's College, University of Oxford** 2022~Present

- Styring Exhibitioner (2023~2024, 2024~2025)

**Wah Yan College, Hong Kong** 2016~2022

- Awarded the Students of the Year, Head Prefect

### Relevant Experience

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**Astrophysics Student Research Internship at Laboratory for Space Research at HKU** 2020, 2024

- Work will be published on a peer-reviewed paper
- Data reduction and 2D spectral analysis are carried out to study the radial velocity, temperature, density and ionization across the Planetary Nebulae
- Line intensities are studied and the data is compared to the HASH data base
- Using Python and AI to process data with numpy, pandas, matplotlib and PyNeb library
- Responsible for doing data correction in the 21cm HI emission line cosmology research (2020)

**Student Research in Oxford** 2023~2024

- Obtain images of RR Lyrae variables in Globular Clusters and conduct data correction
- Use Python and astropy to study the relationship between the period, luminosity of the stars
- Using the standard candle method to find the distance of the M3 cluster

**Oxford Physics Summit** 2024

- Helping as the teaching assistance for the Quantum Computing workshop

**Financial Internship in YUEKAI Securities Co. Asset Management** 2023

- Self-initiating a project of building a stock market prediction program using LSTM model
- Conduct company and industry market research

**Student Internship in Hey! Food is ready** 2023

- Conduct market research for the company to undergo transformation
- Create competitors' profile in the market including Uber Eat, EatFirst and Just Eat
- Modeling the market and forecast the market size and competitors' revenue as extra projects

**Initiate Online shop** 2022~2023

- Conduct market research and planned the retail strategy and the position of the shop
- Connecting wholesaler to the shop, design posts, promote products

### Other Experience

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**Queen's College International Outreach Rep** 2023~2024

- Help international students to know more about Oxford – holding online seminar

### Additional Skills

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**Language:** Fluent in Cantonese, Mandarin and English

**IT:** Data analysis skills in Python, SQL, Matlab, and applying machine learning. Proficient in Excel.