

# MAN YIN LEO LEE

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## EDUCATION

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<b>Master of Philosophy, The Chinese University of Hong Kong (CUHK)</b> <i>Major in Physics, CGPA: 3.9/4.0</i>	<b>Expected August 2024</b>
<b>Bachelor of Science, The University of Hong Kong (HKU)</b> <i>Major in Physics, Minor in Computer Science</i> <i>One semester exchange in McGill University (Winter 2020)</i>	<b>May 2021</b>

## RESEARCH EXPERIENCE

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<b>Department of Physics, CUHK</b> <i>Graduate researcher and research assistant with Prof. Renbin Yan</i> <ul style="list-style-type: none"><li>Measured temperature of passive galaxies by the ratio of forbidden lines using the spectroscopic data from SDSS MaNGA.</li><li>Conducted tests on optical components used in the AMASE spectrograph.</li></ul>	<b>August 2021 - Present</b>
<b>Laboratory for Space Research, HKU</b> <i>Summer Research Fellow and research assistant with Dr. Pablo Saz Parkinson</i> <ul style="list-style-type: none"><li>Project title: Machine Learning at the Pixel Level to improve the low-energy sensitivity of the MAGIC telescopes.</li><li>Built a 3-layer convolutional neural network (CNN) model to classify images of gamma ray events and images of background events.</li></ul>	<b>May 2020 - August 2021</b>
<b>Department of Physics, HKU</b> <i>Final-year undergraduate with Prof. Stephen Ng and Dr. Pablo Saz Parkinson</i> <ul style="list-style-type: none"><li>Thesis title: Searches for <math>\gamma</math>-ray pulsars in the galactic center region.</li><li>Conducted blind searches on three pulsar candidates near the Galactic Center using the time differencing method on the data from the Fermi LAT.</li></ul>	<b>August 2020 - May 2021</b>

## SCHOLARSHIP

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<b>Postgraduate studentships, CUHK</b>	<b>August 2022 - Present</b>
<b>Summer Research Fellowship, HKU</b>	<b>May 2020 - August 2020</b>
<b>Reaching Out Award, HKSAR Government Scholarship Fund</b>	<b>April 2020</b>
<b>HKU Worldwide Undergraduate Student Exchange Scholarship, HKU</b>	<b>April 2020</b>

## POSTER PRESENTATION

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<b>Honorable Mention Award, Research Poster Exhibition</b> University Library, CUHK	<b>May 2023</b>
<b>Best presenter, Research Jamboree</b> Laboratory for Space Research, HKU	<b>August 2021</b>
<b>Summer Research Fellowship Poster Presentation</b> Science Faculty, HKU	<b>August 2020</b>

## INTERNSHIP/WORKING EXPERIENCE

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**The Hong Kong Space Museum**  
*Summer Intern, Exhibition Team*

**May 2019 - July 2019**

- Design new interactive exhibits and host astronomical activities.

**AIESEC Bratislava**  
*Exchange Intern*

**July 2019 - August 2019**

- Organize day camps for teenagers in Slovakia with 10 interns from different countries.
- Promote consequences of global warming and climate change to the public.

## LEADERSHIP EXPERIENCE

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**Team Manager**  
Department of Physics Football Team, CUHK

**March 2023 - Present**

**Residence Tutor**  
Adam Schall Residence, United College, CUHK

**September 2022 - Present**

**Student Mentor**  
Hong Kong Joint School Astronomical Society

**September 2017 - Present**

## SKILLS AND LANGUAGES

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**Programming Languages**  
**Language Proficiency**

Python, C, C++, C#, Java, Bash  
Cantonese: Native, English: Fluent, Mandarin: Fluent