

# Simin Tong

📍 School of Physics & Astronomy, University of Leicester, Leicester, LE1 7RH, UK

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## EDUCATIONAL BACKGROUND

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### University of Leicester

*Ph.D., Astrophysics*

Supervisor: Prof. Richard Alexander

**Leicester, the United Kingdom**

*Sept. 2022-*

### Leiden University

*M.Sc., Astronomy Research*

*with 1-year Pre-Master, Astronomy*

**Leiden, the Netherlands**

*Sept. 2019- Aug.2022*

### Jilin University

*B.Sc., Physics and LL.B., Law*

**Jilin, China**

*Sept. 2015 -Jun. 2019*

## RESEARCH EXPERIENCES

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### Protoplanetary Disk Survey in Serpens Star-forming Region

*Sept. 2021-Present*

Leiden Observatory, the Netherlands

**Supervisor:** Dr. (Nienke) van der Marel

- Performed individual data reduction and analysis on ALMA observations of > 300 young stellar objects (YSOs) from Serpens star-forming region using CASA and self-written Python script.

### ALMA Archive Mining of High-mass Star Formation

*Sept. 2020-Present*

Leiden Observatory, the Netherlands

**Supervisor:** Prof. Dr. (Michiel) Hogerheijde, Dr. (Aida) Ahmadi, Prof. Dr. (Serena) Viti

- Constructed inventories of ALMA projects on broad topics of high-mass star formation by mining ALMA science archive with a Python package ALminer.
- Performed individual data reduction on ALMA observations towards a high-mass star using CASA and identified potential molecular species with CASSIS.

## ADDITIONAL ACADEMIC ACTIVITIES

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- Summer student at Institute of Astronomy and Astrophysics, Academia Sinica (Taipei) *Jul.-Aug. 2019*
- Intern at Institute of Physics, Chinese Academy of Sciences (Beijing, China) *Jan. 2018*
- Summer student at Shanghai Astronomical Observatory (Shanghai, China) *Jul. 2017*

## AWARDS

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- Leicester Future 100 Studentship (full scholarship) *2022*
- Leiden Science China Scholarship (declined) *2019*
  - 25% waiver of the non-EU/EEA tuition fee
- Outstanding Undergraduate Thesis Award *2019*
- Dean's Scholarship *2019*
  - the highest honour for undergraduate students at the Department of Physics, JLU
- Outstanding Graduate in Jilin University *2019*
- Chinese Academy of Sciences Undergraduate Scholarship *2017*
- University Class Scholarship *2016-2019*

## SKILLS& LANGUAGES

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- Python, L<sup>A</sup>T<sub>E</sub>X, CASA, Fortran(basic), C(basic), HTML&CSS(basic)
- Mandarin (Native Proficiency); English (Professional Proficiency); Japanese(Elementary Proficiency)