

TIANAO LI

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EDUCATION

Tsinghua University <i>B.Eng. in Electronic Engineering</i>	Beijing, P.R.China <i>Sept. 2019 - Jun. 2023(expected)</i>
Beijing No.4 High School <i>High School Diploma</i>	Beijing, P.R.China <i>Sept. 2016 - Jun. 2019</i>
Beijing Sanfan Middle School <i>Middle School</i>	Beijing, P.R.China <i>Sept. 2013 - Jun. 2016</i>
Experimental School attached to Capital Normal University <i>Elementary School</i>	Beijing, P.R.China <i>Sept. 2007 - Jun. 2013</i>

HONORS & AWARDS

- Tsinghua University Scholarship of Comprehensive Excellence (top 10%, 2022)
- Tsinghua University Scholarship of Comprehensive Excellence (top 10%, 2021)
- Tsinghua University Scholarship of Social Work (2020)

PUBLICATIONS

- [1] Tianao Li, Emma Alexander. Galaxy Image Deconvolution for Weak Gravitational Lensing with Unrolled Plug-and-Play ADMM, *Monthly Notices of the Royal Astronomical Society: Letters*, 2023.

RESEARCH EXPERIENCE

Northwestern University, Bio-Inspired Vision Lab Research Intern (Remote)	Evaston, IL, USA <i>Apr. 2022 - Feb. 2023</i>
<ul style="list-style-type: none">• Applied physics-inspired methods to the deblurring problem in galaxy images in ground-based sky surveys, significantly reducing errors in galaxy shape measurements.• Paper published on <i>Monthly Notices of the Royal Astronomical Society</i> (MNRAS).	
Tsinghua University, Tsinghua Visual Intelligence and Computational Imaging Lab Research Assistant	Beijing, P.R.China <i>Sept. 2021 - Feb. 2022</i>
<ul style="list-style-type: none">• Collaborated with a Ph.D. student on a Deep Diffractive Network (D²NN) implementation of NeRF and Point Cloud classification.	

SKILLS

- Coding: Python, PyTorch, TensorFlow, Matlab, C/C++, Git, L^AT_EX
- Language: English (TOEFL:111, S:26; GRE:323+3.5), Mandarin (Native)

EXTRA-CURRICULARS

- Vice president of Tsinghua Astronomy Society (2021-22).
- Head of school observatory (2021-22).
- Organized astronomical popularization summer camp for junior high students in 2021.
- Volunteer at Tsinghua Q&A Workshop with a total service hour of 160h.

TRAVEL HISTORY

U.S.A. (2007); Korea(2011); Hong Kong(2012); U.K. (2013); Canada (2014); Singapore (2015)