

Tao Zixu He

 $\begin{array}{c} {\rm Computer~Science~@~UNSW~Sydney} \\ \underline{{\rm tao.he@student.unsw.edu.au}} \\ {\rm Homepage} \end{array}$

RESEARCH INTEREST

Algorithm, Computational Complexity Theory, and Computational Social Choice.

EDUCATION

Bachelor (Honours) | Computer Science
University of New South Wales

Sep 2021 - Aug 2025
Sydney, Australia

• WAM: 90/100.

Research Assistant

WORK EXPERIENCE

University of New South Wales	Sydney, Australia
Casual Academic	Feb $2024 - May 2024$
University of New South Wales	Sydney, Australia
• Tutor for COMP3821 (Extended Algorithm Design and Analysis)	

Software Engineer

Mar 2023 – Dec 2023 Sydney, Australia

Jan 2024 – Jan 2025

- Developed a web application using **TypeScript**, **Vue** and **PostgreSQL**, as part of a part-time job.
- Gained hands-on experience in software engineering and teamwork development.

PUBLICATIONS

h2x Engineering

2024
2024
[arXiv]
2024
[arXiv]
Feb 2024
Oct 2023
Oct 2023
Dec 2022
Oct 2022

Bronze Medal in Chinese National Olympiad in Informatics

Jul 2019

China's Top High School Algorithm Competition

Bronze Medal in IOI China Team Selection Competition

May 2019

The competition in China to select outstanding competitors to participate in IOI

SKILLS

Languages: Chinese (native), English (fluent)

 $\textbf{Programming:}\ C,\ C++,\ Python,\ JavaScript,\ Java,\ Answer\ Set\ Programming,\ AMPL\ (A\ Mathematical\ Programming)$

Programming Language)