

# Zhiwei Ying

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Last Update: 18 October 2025

## EDUCATION

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<b>Shanghai Jiao Tong University, Shanghai, China</b> Bachelor of Engineering in Artificial Intelligence School of Electronic Information and Electrical Engineering	09/2021-06/2025
<b>Shanghai Jiao Tong University, Shanghai, China</b> Ph.D. Candidate in Computer Science and Technology School of Computer Science <b>Research Topics.</b> Theoretical Computer Science. Especially focused on Online Scheduling, Online Matching, Design and Analysis of Online/Approximation Algorithms.	09/2025-Present

## PUBLICATIONS

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### [Online Makespan Minimization: Beat LPT by Dynamic Locking](#)

Joint work with Zhaozi Wang and Yuhao Zhang. Accepted by *WINE 25*.

**Contributions.** We investigate an over-time online makespan minimization problem, where each job becomes known only at its release time and must be scheduled on a machine thereafter by its processing time irrevocably. We propose an algorithm called SLEEPY with dynamic locking which achieves a competitive ratio of  $1.5 - \frac{1}{O(m^2)}$ , surpassing the long-standing 1.5 barrier.

## AWARDS AND SCHOLARSHIPS

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<b>Arawana Scholarship</b> CNY 10,000.	2022
<b>Optics Valley Scholarship</b> CNY 10,000.	2023
<b>Huatai Securities Scholarship</b> CNY 10,000.	2024
<b>Excellent Scholarship, SJTU</b> CNY 1,000.	2022, 2023 and 2024
<b>Merit Student, SJTU</b>	2022

## SERVICE

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<b>Class Assistant for Class 2283 in SEIEE, SJTU</b>	2022-2023
<b>Monitor for Class F2103802, SJTU</b>	2021-2025
<b>Teaching Assistant for Course <i>Introduction to Theoretical Computer Science</i></b>	2024

## PROGRAMMING SKILLS

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**Languages:** Python, C++, L<sup>A</sup>T<sub>E</sub>X, Markdown.

## INTERSTS and HOBBIES

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Ping-pong, Violin, Piano, Computer games like Counter-Strike 2, Valorant, etc.