

# Long CHEN

M.Phil. student at USTC, seeking Fall 2026 PhD opportunities

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## EDUCATION

Sep 2023 – Ongoing	<b>University of Science and Technology of China</b> <i>M.Phil. in Management Science and Engineering, GPA:3.82/4.3 (Rank: Top 5%)</i>
Sep 2019 – Jun 2023	<b>Jiangnan University</b> <i>B.S. in Industrial Engineering, GPA:3.64/4.0 (Rank: Top 5%)</i>

## RESEARCH INTERESTS

- Integer programming, approximation algorithm, and machine learning, emphasizing reliability and fairness
- Decision analytics for critical applications including emergency response and two-sided marketplaces

## Academic Research

3. **Long Chen**, Hongwei Xuan (2025) Joint Pricing and Matching Optimization in Shared Computing Platforms under Operations Constraints.
2. **Long Chen**, Lan Lu, Lindong Liu, Hongwei Xuan (2025) Extended Arc-Time-Indexed Formulation and Exact Approach for Flow Shop Scheduling.
1. Long Chen (2023) Optimizing Sequential Post-Flood Recovery Using Lagrangian Relaxation. Undergraduate Dissertation, advised by Prof. Qiang Lin and Prof. Lindong Liu.

## TEACHING EXPERIENCE

### University of Science and Technology of China

MSAE6409P.01: Large-Scale Integer Programming, Teaching Assistant, Summer of 2025

MSAE6409P.02: Reinforcement Learning: Basics and State-of-the-Art, Teaching Assistant, Summer of 2025

## INTERNSHIP EXPERIENCE

Jan 2024 - May 2025 | **Changxin Memory Technologies, Inc.** *Operations Research Algorithm Engineer*

Nov 2022 - Jun 2023 | **Bosch Powertrain Systems Co., Ltd.** *Industry 4.0 Smart Manufacturing Engineer*

## SELECTED HONORS

2024 | USTC Academic Scholarship First Prize

2022 | China National Grants for Outstanding Students  
COMAP's Mathematical Contest in Modeling Honorable Mention

2020 | China University Physics Experiment Competition Third Prize

## SKILLS

**Languages** Mandarin (native), English (fluent, IELTS 7.0)

**Technical Skills** Python (4 years), MATLAB (5 years), C (5 years); Gurobi, SCIP, OR-Tools; Git, Jupyter, PyCharm