

Zhendong Li

PERSONAL DATA

PLACE AND DATE OF BIRTH: Anyang, China | 4 June 2001
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EDUCATION

SEPT. 2019-JULY 2023 An undergraduate student in APPLIED MATHEMATICS in
QianWeichang College, Shanghai University
GPA: 85.65/100

QianWeichang College was approved as one of the 17 National Pilot Colleges
by the Chinese Ministry of Education in October,2011.

RESEARCH PROJECTS

JUNE 2020 **Nonlinear Optimal Control**
Changjun Yu in Shanghai University
We use nonlinear optimization and some computational approaches
to solve optimal control problems both ODE and PDE.
In 2022 we update an optimal control problem solver-MISER with Julia.

JUNE 2021-APRIL 2022 **Mixed Integer Programming**
Yuhong Dai in Chinese Academy of Sciences
For some types of LP problems,
we give some new pivot selecting rule to Simplex method
via meta-learning or other reinforcement learning methods.

APRIL 2022 **Reconstructing Beijing Subway and Bus Network**
Yuan Sun in The University of Melbourne
We analysed relevant data from the Beijing transportation department
and model it as Orienteering Problem and O-D problem
to help Beijing has a better mass traffic network
and reduce carbon emissions.

AUG. 2022 **Online optimization of a dial-and-ride problem**
Antoine Legrain in École Polytechnique de Montréal
We will develop a simulation tool in python to test the code.
We will not only code dedicated algorithms to compute
compatibility matrices but also develop basic algorithms (as a greedy)
for the DARP in NYC. If time permitted, we will develop visualization tools.

EXPERIENCE

JAN. 2022-

Instructor of Datawhale-operational-research(an open source learning organization)

- Write documents about Operation Research knowledge to help people learn it.
- Host relevant learning activities.

Nov. 2021-

Editor of Chinese OR Community 运筹 OR 帷幄 (More than 800,000 fans)

- Organize meetings with industry professionals
- Write some articles about operations research for popular science.

SEPT. 2020-JULY 2021

Minister of Student Union

- Guide and coordinate the cooperation activities of various departments.
- Planned and guided activities, such as alumni visits; coordinate with other department heads as needed

SEPT. 2020-JULY 2021

President of Qian Weichang Educational Thought Propaganda Organization

SCHOLARSHIPS AND AWARD

SEPT. 2019	Scholarship for new students (¥RMB 4,000)
SEPT. 2020	First-class Study Scholarship (¥RMB 2,000)
SEPT. 2021	Second-class Study Scholarship (¥RMB 1,000)
APRIL 2020	MCM/ICM S Award
NOV. 2021	First-class of Shanghai University Undergraduate Academic Forum(Top 6)
MAR. 2022	Canada Mitacs & China Scholarship Council (\$CAN 6,000)

LANGUAGES

MANDARIN:	Mothertongue
ENGLISH:	B2
FRENCH:	Basic Words

COMPUTER SKILLS

Basic Knowledge:	mysql, HTML
Intermediate Knowledge:	CPP, PYTHON, JULIA
Advanced knowledge:	MATLAB, $\text{\LaTeX}$, Microsoft Office

INTERESTS AND ACTIVITIES

Technology, Programming. Reading
Badminton, Travelling, Climbing