

Yupeng Wu

PHD STUDENT · OPTIMIZATION · LONDON BUSINESS SCHOOL

✉ yupengw@london.edu

Education

London Business School

PHD IN MANAGEMENT SCIENCE AND OPERATIONS

- Advisor: Jean Pauphilet

London

Sep. 2023 - present

Beijing Institute of Technology

BACHELOR OF SCIENCE IN INDUSTRIAL ENGINEERING

- Co-advisors: Zhenjun Ming, Farrokh Mistree, and Janet K. Allen

Beijing

Sep. 2018 - Jun. 2022

Work Experience

The University of Hong Kong

RESEARCH ASSISTANT (DEPARTMENT OF DATA AND SYSTEMS ENGINEERING)

- Supervisor: Wenjie Huang

Hong Kong

Sep. 2022 - Jun. 2023

Research

PaNGEA: Parallel Node Generation and Exploration Algorithm

With Jean Pauphilet;

<https://optimization-online.org/2026/07/pangea-parallel-node-generation-and-exploration-algorithm/>

- Second-round at MIPcc26: The 2026 Land-Doig MIP Competition (GPU-accelerated algorithms for mixed-integer optimization).

The Surprising Performance of Random Partial Benders Decomposition

With Jean Pauphilet; R&R from *Operations Research*;

<https://optimization-online.org/2025/10/the-surprising-performance-of-random-partial-benders-decomposition/>

- Honorable mention, 2025 INFORMS Computing Society Student Paper Award.

WORK IN-PROGRESS

Matrix Multiplication and Low-Rank Tensors

With Ryan Cory-Wright and Jean Pauphilet;

Optimizing Fertilizer Use for Small-holders in Kenya

With Dick Den Hertog and Jean Pauphilet;

Optimizing with Differentially Private Data

With Jean Pauphilet;

PRE-PHD

Distributional Reinforcement Learning with Online Risk-awareness Adaption.

With Wenjie Huang, Wenyun Li, and Chin Pang Ho; <https://doi.org/10.48550/arXiv.2310.05179>.

Evaluation of Students' Learning Through Reflection on Doing Based on Sentiment Analysis.

With Zhenjun Ming, Janet K. Allen, and Farrokh Mistree; *Journal of Mechanical Design*, 2023, 145(3): 032301.

- Best Paper Award, 2022 IDETC-CIE, DEC track

Teaching

2025, 2026 **TC03 Business Analytics (MBA)**, Teaching Assistant
2024, 2025 **CM16 Business Analytics**, Teaching Assistant
2025 **AM01 Applied statistics with Python** , Teaching Assistant
2025 **C170 Data Analytics For Managers**, Teaching Assistant
2024 **AM04 Data Science for Business**, Teaching Assistant