

WEI LIN

+852 6849-3645 louislin@link.cuhk.edu.hk LouisWEILIN louislinwei.github.io
Office 120, Ho Sin-Hang Engineering Building, , Shatin, NT, Hong Kong

Education

The Chinese University of Hong Kong, Hong Kong SAR 2023 - current

Ph.D. in Computer Science and Engineering Supervised by Prof. Hong Xu

Beihang University, Beijing, China 2019 – 2023

B.S. in Mechanical Engineering GPA:3.82/4 Weighted Score:91.5/100

Rank 0.3% in the university entrance exam

Research Interest

Learning to Optimize: Using deep learning to accelerate optimization algorithms.

Publication List

Q Song, **W Lin**, J Wang, H Xu. "Towards Robust Learning to Optimize with Theoretical Guarantees." IEEE/CVF CVPR, 2024.

Y Zhang, **W Lin**, S Chen, Q Song, J Lu, Y Shao, B Yu, H Xu. "Fed2Com: Towards Efficient Compression in Federated Learning." IEEE ICNC, 2024.

Y Ding, J Wan, **W Lin**, K Wang. "Coordinated last-mile deliveries with trucks and drones: A comparative study of operational modes." Journal of the Air Transport Research Society, 2024.

S Wandelt, **W Lin**, X Sun, M Zanin. "From random failures to targeted attacks in network dismantling." Reliability Engineering & System Safety, 2021.

W Lin, S Wandelt, X Sun. "Efficient network dismantling through genetic algorithms." Soft Computing, 2021.

Work Experience

Huawei Technologies Co., Ltd., Beijing, China 02.2023 - 06.2023

School-Enterprise Cooperation Intern

- Project: Communication efficient federated learning.
- Advisor: Dr. Jiaxun Lu

Hong Kong University of Science and Technology (Guangzhou), Guangzhou, China 03.2022 - 12.2022

Undergraduate Research Assistant

- Project: Understanding Non-pharmaceutical Interventions on Individual Mobility via a Deep Geographic-marked Point Process.
- Advisor: Prof. Jia Li

The Chinese University of Hong Kong, Hong Kong 03.2022 - 08.2022

Undergraduate Research Assistant

- Project: Hyperbolic Graph Neural Networks for Recommendation System.
- Advisor: Dr. Menglin Yang

Beihang University, Beijing, China 06.2021 - 02.2022

Undergraduate Research Assistant

- Project: Network Dismantling.
- Advisor: Prof. Sebastian Wandelt

Contest Experience

Finalist in Interdisciplinary Contest In Modeling 2021

- Project: Unveil the Mystery behind Musical Evolution.
- Advisor: Prof. Sebastian Wandelt

Teaching Assitance

CUHK, ENGG1120, Linear Algebra for Engineers	Spring 2024
CUHK, ENGG2760, Probability for Engineers	Fall 2023
BUAA, Computer science and Programming	Fall 2021
BUAA, Data Management and Artificial Intelligent	Spring 2021

Scholarship/Award

2023-2027 Postgraduate Studentship, CUHK
2023 Excellent Graduate, BUAA
2019-2020, 2020-2021, 2021-2022 Learning Excellent Scholarship, BUAA
2019-2020 Excellent Student, BUAA
2020-2021, 2021-2022 Merit student, BUAA
2020-2021 Discipline Competition Scholarship, BUAA
2020-2021, 2021-2022 Social Work Outstanding Scholarship, BUAA