

ZEYUAN | MA

- » Status: Ph.D student, South China University of Technology (SCUT)
- » Interests: Reinforcement Learning, Automated Algorithm Design
- » Skills: Cooking, Singing, Swimming, Coding & Brain-Storming
- » Languages: English (CET 6), French (DELFI 4), Mandarin
- » Homepage: <https://scholar.google.com/citations?user=Jcy8wPgAAAAJ>



» » » Education

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|----------------|---|--------------------------------------|
| 2018 - 2022 | B.Eng. Degree of Computer Science | South China University of Technology |
| | <ul style="list-style-type: none">» GPA: 3.71/4, 2nd place in 22 students, with 1st place in innovation ability evaluation.» Educated Courses: Artificial Intelligence, Deep Learning and Neural Network, etc.» Thesis: "Acceleration Framework for Multi-task Evolutionary Algorithm through DRL". | |
| 2022 - Present | Ph.D. Degree of Computer Science | South China University of Technology |
| | <ul style="list-style-type: none">» Supervisor: Prof. Yue-Jiao Gong, Full Professor, Associate Editor of IEEE TEVC.» Research Topic: "Meta-Black-Box-Optimization: Framework and Application".» Team & Projects: MetaEvo research group (https://metaevo.github.io/) in Computational Intelligence Lab, SCUT, funded by National Natural Science Foundation of China. | |
| 2025 - Present | Visiting Ph.D. of Computer Science | Singapore Management University |
| | <ul style="list-style-type: none">» Supervisor: Prof. Zhiguang CAO, Assistant Professor.» Research Project: "Understanding Black-Box-Optimization under DNN Representations". | |

» » » About Me

I received my B.Eng. degree in School of Computer Science and Engineering, South China University of Technology (SCUT), Guangzhou, China, in 2022. I am currently pursuing the Ph.D. degree at South China University of Technology, China, supervised by Prof. Yue-Jiao Gong. I research at the intersection of Machine Learning and Optimization, exploring automated algorithm design in Evolutionary Computing through meta learning. I have (co-) authored over 20 publications, most of which are published in top-tier conferences and journals such as ICML, ICLR, NeurIPS and IEEE TEVC. I have also actively served as reviewers for these advanced conferences and journals. Recently, I have organized LEAD 2025 Workshop (<https://sites.google.com/view/leadworkshop2025>).

» » » Featured Publications

- » MetaBox: A Benchmark Platform for Meta-Black-Box Optimization with Reinforcement Learning, NeurIPS 2023 (Oral).
- » Symbol: Generating Flexible Black-Box Optimizers through Symbolic Equation Learning, ICLR 2024.
- » Neural Exploratory Landscape Analysis for Meta-Black-Box-Optimization, ICLR 2025.
- » ConfigX: Modular Configuration for Evolutionary Algorithms via Multitask Reinforcement Learning, AAAI 2025 (Oral).
- » Meta-Black-Box-Optimization through Offline Q-function Learning, ICML 2025.
- » Toward Automated Algorithm Design: A Survey and Practical Guide to Meta-Black-Box-Optimization, TEVC (2025).
- » LLaMoCo: Instruction Tuning of Large Language Models for Optimization Code Generation, TEVC (2025).
- » MetaBox-v2: A Unified Benchmark Platform for Meta-Black-Box Optimization, NeurIPS 2025.
- » DesignX: Human-Competitive Algorithm Designer for Black-Box Optimization, NeurIPS 2025.

» » » Awards & Honors

- » 17th "Challenge Cup" National Technology Competition, Champion of Guangdong Province, 2021.
- » China National Scholarship, 2021.
- » China National PhD Scholarship, 2025.
- » Presidential Fellowship, SCUT, 2025.