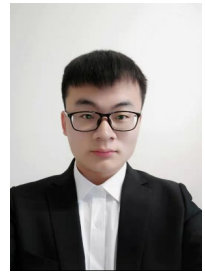


TAIJIE CHEN

mobile: (+86) 15647708518 · email: chentaijie98@gmail.com

Gender: Male · Hometown: Neimenggu, China

Personal Website: <https://chentaijie98.github.io/>



EDUCATION

- The University of Hong Kong**, Traffic and Transportation, *Ph.D. Student* Apr., 2023 - Apr., 2027 (expected)
- The University of Hong Kong**, Computer Science, *Master* Sept., 2021 - Dec., 2022
- Nankai University**, Software Engineer, *Bachelor* Sept., 2017 - Jun., 2021

INTERSHIP

- Huawei**, Algorithm Engineer Jan., 2023 - Mar., 2023
- Conducted research and development of ETA algorithm in Huawei 2012 Lab Riemann Lab.
- Didi Chuxing**, Algorithm Engineer Jan., 2023 - Mar., 2023
- Research on remote anomaly diagnosis algorithm of trolley car in Da Vinci Division.
- The Hong Kong University of Science and Technology**, Research Assistant Aug., 2022 - Mar., 2023
- Research and develop reinforcement learning methods for vehicle dispatching and vehicle repositioning.
- The University of Hong Kong**, Research Assistant Jan., 2022 - Aug., 2022
- Develop simulator for on-demand e-hailing.
- Unipus**, Algorithm Engineer 2022.04 - 2022.06
- Improved the synonym phrase replacement function of Iwrite, which improved the accuracy rate by 2 percentage points. Read and reproduce papers, participate in MASSIVE competitions.
- Nankai University**, Research Assistant 2022.04 - 2022.06
- Participated in the national key research and development project – intelligent computing software platform optimization and application development and research.

RESEARCH EXPERIENCE

- Research on Strategy Representation and Reasoning for General Game System (National Natural Science Foundation of China, 61806102)** Dec., 2018 - Sept., 2020
- Duty:** Participant
 - Develop heuristic search algorithm.
 - Develop Monte Carlo tree search and memory enhancement Monte Carlo tree search algorithm.
- Development of a Simulation Platform and Artificial Intelligent Algorithms for Optimising Operation and Management of Taxi E-hailing Services (Smart Traffic Fund of Hong Kong SAR Government)** Mar., 2023 - Sept., 2024
- Duty:** Second person in charge
 - Simulation for taxi in Hong Kong which using broadcasting mode and predict traffic flow.
 - Research and implement vehicle dispatching and vehicle repositioning.

PUBLICATIONS

- Feng, S., **Chen, T.**, Zhang, Y., Ke, J., Yang, H. (2023). A multi-functional simulation platform for on-demand ride service operations. arXiv preprint arXiv:2303.12336.

SOFTWARE COPYRIGHT

- Teaching resource network management system based on knowledge graph (Registration No.: 2021SR0651132)
- Teaching resource network making system based on knowledge graph (Registration No.: 2021SR0651080)

- Teaching resource network display system based on knowledge graph (Registration No.: 2021SR0651130)

AWARDS

- Postgraduate Scholarship (2023-2027)
- Third Prize of China Internet + Tianjin Competition (2020)
- Social Welfare Scholarship (2020)
- Innovation and Entrepreneurship Scholarship (2020)
- Academic Excellence Scholarship (2019)