

Jing Gao

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Education

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| Hong Kong University of Science and Technology Ph.D., Civil and Environmental Engineering | Hong Kong, China Sep 2020 – present |
| Sun Yat-sen University B.S., Traffic Engineering | Guangzhou, China Sep 2014 – June 2018 |

Experience

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| Visiting Student, <i>University of California, Berkeley</i> Host: Prof. Kameshwar Poolla | May 2024 – present |
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Awards & Honors

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| Hong Kong PhD Fellowship Scheme | 2020 – 2024 |
| Overseas Research Award, <i>Hong Kong University of Science and Technology</i> | 2024 |
| Redbird PhD Award, <i>Hong Kong University of Science and Technology</i> | 2021 – 2022 |
| National Scholarship | 2016 – 2017 |
| First-class Fellowship, <i>Sun Yat-sen University</i> | 2015 – 2017 |
| Meritorious Winner, <i>The International Mathematical Contest in Modeling</i> | 2016 |
| National First Prize, <i>Contemporary Undergraduate Mathematical Contest in Modeling</i> | 2016 |
| National Encouragement Scholarship | 2015 |

Publications

Journal

- [Gao J, Li S \(2024\)](#) Regulating for-hire autonomous vehicles for an equitable multimodal transportation network. *Transportation Research Part B: Methodological* 183, 102925.
- [Gao J, Li S \(2024\)](#) Charging autonomous electric vehicle fleet for mobility-on-demand services: Plug in or Swap out?. *Transportation Research Part C: Emerging Technology* 158, 104457.
- [Ao D, Gao J, Lai Z, Li S \(2024\)](#) Regulating transportation network companies with a mixture of autonomous vehicles and for-hire human drivers. *Transportation Research Part A: Policy and Practice* 180, 13975.
- [Liu Z, Lu Q, Gao J \(2024\)](#) A similarity-based data-driven car-following model considering driver heterogeneity. *Transportation Research Procedia* 78: 611-618.
- [Gao J, Li S, Yang H \(2022\)](#) Shared parking for ride-sourcing platforms to reduce cruising traffic. *Transportation Research Part C: Emerging Technology* 137: 78-94.
- [Gao J, Sun L, Cai M \(2019\)](#) Quantifying privacy vulnerability of individual mobility traces: a case study of license plate recognition data. *Transportation Research Part C: Emerging Technology* 104: 78-94.

Working Paper

- Synergizing shared micromobility and public transit towards an equitable multimodal transportation network, with Sen Li. (under review in *Transportation Research Part A: Policy and Practice*)
- Synergizing shared micromobility and ride-hailing for TNCs under government regulations, with Sen Li and Tingting Dong.
- On the value of bundling food and grocery deliveries, with Zhijie Lai, Sen Li, Junjie Qin, and Kameshwar Poolla.

Conference Proceedings

- [Gao J, Li S \(2024\)](#) Evaluating the equity impacts of shared micromobility in multimodal transportation networks. *2024 Transportation Research Board (TRB) Annual Meeting* (Washington, DC, USA)

2. Gao J, Li S (2022) Charging infrastructure planning for electrified autonomous mobility-on-demand systems under evolving charging technologies. *The 26th International Conference of Hong Kong Society for Transportation Studies* (Hong Kong)
3. Gao J, Lu Q, Cai M (2020) Quantifying privacy vulnerability under linkage attack across multi-source individual mobility data. *2020 Transportation Research Board (TRB) Annual Meeting* (Washington, DC, USA)
4. Gao J, Sun L, Cai M (2019) Measuring privacy vulnerability of individual mobility traces: a case study of license plate recognition data. *2019 Transportation Research Board (TRB) Annual Meeting* (Washington, DC, USA)