Yuan **Dai**

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Resume

🎓 Education

Sep 2019 – July 2023(expected)	**PhD Candidate**, *South China University of Technology*, Guangzhou
	Advisor : Prof. Weiming Liu
Sep 2016 – Dec 2018	**M.S.**, *Changsha University of Science and Technology*, Changsha
	Hunan Provincial Key Laboratory of Intelligent Processing of Big Data on Transportation
	Advisors : Prof. Feng Li, Asoc. Prof. Daojian Zeng
Sep 2012 – July 2016	**B.S.**, *Changsha University of Science and Technology*, Changsha

📖 Selected Publications

> **Yuan Dai**, Weiming Liu, Heng Wang, Wei Xie, Kejun Long. *YOLO-Former : Marrying YOLO and Transformer for Foreign Object Detection*. IEEE Transactions on Instrumentation and Measurement (**JCR Q1**, 2022).

> **Yuan Dai**, Weiming Liu, Wei Xie, Ruikang Liu, Zhongxing Zheng, Kejun Long, Liang Wang, Liang Mao, Qisheng Qiu and Guangzheng Ling. *Making You Only Look Once Faster : Toward Real-Time Intelligent Transportation Detection*. IEEE Intelligent Transportation Systems Magazine (**JCR Q1**, Early Access, 2022).

> **Yuan Dai**, Weiming Liu, Heng Wang, Wei Xie, Kejun Long. A Fast Detection Method of Foreign Objects between Metro Platform Screen Doors and Train Doors based on Improved YOLOv5s [J]. Journal of Transport Information and Safety, Accepted, 2022, CSCD.

> Daojian Zeng, **Yuan Dai**, Feng Li, Jin Wang, Arun Kumar Sangaiah. *Aspect based sentiment analysis by a linguistically regularized CNN with gated mechanism*. Journal of Intelligent & Fuzzy Systems, vol.36, no.5, pp.3971-3980, (JCRQ4, 2019).

> Daojian Zeng, **Yuan Dai**, Feng Li, R. Simon Sherratt and Jin Wang, *Adversarial Learning for Distant Supervised Relation Extraction*, CMC : Computers, Materials & Continua, vol.55, no.1, pp.121–136, (**ESI Highly Cited Paper**, JCR Q2, 2018).

</> Research Experiences

March 2021 Dec 2021	Research on multi-scale foreign object monitoring system and related technical standards for ultra-long continuous space without blind areas in urban rail stations, Crosswise Task [Participant]
March 2019 Sep 2020	Development and demonstration of passenger safety monitoring system for PSDs and train doors risk space in the operating environment area, Sub-project of National Key R&D Program [Participant]
Jan 2017 Jan 2019	Research on key technologies of entity relation extraction based on deep neural network, Young Scientists Fund of the National Natural Science Foundation of China [Participant]

🔨 Honors & Awards

2018	National Scholarship for Graduate Students.
2017	Best Paper Award, CCL & NLP-NABD 2017 (awarded to 3 out of 264 submissions).
2017	Outstanding Postgraduate Student, Changsha University of Science & Technology.