

Yuan Dai

 [daiyuanm.github.io/](https://github.com/daiyuanm)  (+86) 18390800176  ctdaiyuan@mail.scut.edu.cn
 381, WuShan RD, Guangzhou, Guangdong, China
 23 Oct 1995, Shuangfeng, Hunan, China



Resume

Education

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- Sep 2019 – July 2023 **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](#), [Dr. Daojian Zeng](#)
- Sep 2012 – July 2016 **B.S.**, Changsha University of Science and Technology, Changsha

Selected Publications

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- > **Yuan Dai**, Weiming Liu, Ruikang Liu, Wei Xie, Zhongxing Zheng, Kejun Long. *Making YOLO Faster : Towards Real-Time Intelligent Transportation Detection*. IEEE Transactions on Instrumentation and Measurement (Under review, 2022).
 - > **Yuan Dai**, Weiming Liu, Ruikang Liu, Zhongxing Zheng, Kejun Long, Liang Wang, Liang Mao, Qisheng Qiu and Guangzheng Ling. *Larger is Better? Rethinking the Application of Deep Learning for Foreign Object Detection in Metro System*. Multimedia Tools and Applications (Under review, 2021).
 - > **Yuan Dai**, Weiming Liu, Haiyu Li, Lan Liu. *Efficient Foreign Object Detection Between PSDs and Metro Doors via Deep Neural Networks*. IEEE Access 8 : 46723-46734 (2020).
 - > DaojianZeng, Guowei Tong, **Yuan Dai**, Feng Li, Bing Han, Songxian Xie. Keyphrase extraction for legal questions based on a sequence to sequence model. Journal of Tsinghua University (Science and Technology), 2019, 59(04):256-261.
 - > Daojian Zeng, **Yuan Dai**, Feng Li, R. Simon Sherratt and Jin Wang, *Adversarial Learning for Distant Supervised Relation Extraction*, CMC : Computers, Materials & Continua (**ESI Highly Cited Papers**), vol.55, no.1, pp.121–136, 2018.
 - > Daojian Zeng, Junxin Zeng, and **Yuan Dai**, *Using Cost-Sensitive Ranking Loss to Improve Distant Supervised Relation Extraction*, in Proceedings of the CCL & NLP-NABD 2017. (**Best Paper Award**)

Research Experiences

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| March 2019 | Development and demonstration of passenger safety monitoring system for PSDs and train doors risk space in the operating environment area |
| Sep 2020 | Sub-project of National Key R&D Program
<div>Participant</div> |
| Jan 2017 | Research on key technologies of entity relation extraction based on deep neural network |
| Jan 2019 | Young Scientists Fund of the National Natural Science Foundation of China
<div>Participant</div> |
| Jan 2017 | Research on key technologies of weakly supervised entity relation extraction for unstructured text |
| Jan 2019 | Young Scientists Fund of the Hunan Natural Science Foundation
<div>Participant</div> |

Honors & Awards

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- 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.