

# Wenyu Du

<https://wenyudu.github.io/>

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## EDUCATION

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- **University of Southampton** Sep. 2016 – Nov. 2017  
*Master of Science in Data Science with Distinction*  
Supervisor: Professor Markus Brede
  - UK grade: 74.5
  - Dissertation Topic: A novel strategy for heterogeneous graph embedding (79)
- **University of Nottingham** Sep. 2011 – July. 2016  
*Bachelor of Science in Computer Science with High 2:1*  
Supervisor: Professor Guoping Qiu
  - UK grade: 67.4
  - Dissertation Topic: Reimplementation of AlexNet in Matlab (71)

## PUBLICATION

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- **Wenyu Du\***, Zhouhan Lin\*, Yikang Shen, Timothy J. O'Donnell, Yoshua Bengio, Yue Zhang, “*Exploiting Syntactic Structure for Better Language Modeling: A Syntactic Distance Approach*”, The 58th Annual Meeting of the Association for Computational Linguistics (ACL, long), 2020.
- **Wenyu Du**, Baocheng Li, Min Yang, Qiang Qu, “*A Multi-Task Learning Approach for Answer Selection: A Study and a Chinese Law Dataset*”, The 33rd AAAI Conference on Artificial Intelligence (AAAI, student abstract), 2019.
- **Wenyu Du**, Shuai Yu, Min Yang, Qiang Qu, Jia Zhu, “*GPSP: Graph Partition and Space Projection based Approach for Heterogeneous Network Embedding*”, The 27th International World Wide Web Conference (WWW, poster), 2018.

\* = equal contribution.

## PROJECT LIST

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- **Hessian-Free Optimizer**: It designs a novel Hessian-free second-order optimizer for neural nets, and tests on datasets in computer vision and chemical domain. Under the peer-review.

## RESEARCH EXPERIENCE

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- **Westlake University** Sep. 2018 - Present  
*Research Assistant*  
Supervisor: Professor Yue Zhang
- **Chinese Academy of Sciences** Dec. 2017 - Aug. 2018  
*Research Assistant*  
Supervisor: Professor Min Yang
- **University of Nottingham** June. 2015 - Aug. 2015  
*School Internship*  
Supervisor: Professor Dave Towey

## PROGRAMMING LANGUAGES

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- **Deep Learning**: Tensorflow, Pytorch
- **Languages/Skills**: Python, Java, MATLAB, C, C++

## LANGUAGE CERTIFICATE

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- **IELTS**: Overall: 7.5 (Listening: 8.0, Speaking: 6.5, Reading: 8.5, Writing: 6.5)