

Zheng Wang

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Research Aims

- My research vision is to provide a framework that will make Deep Neural Network explainable and interpretable, which gives insights about how adversarial example generated and further improve the robustness of Deep Learning algorithm.
- My research also focuses on how to design and train the robust neural network models that provides the trust for various modelling and simulation tasks, with consideration for interaction between modeller, model and practitioner
- I am also interested in the fields of estimating the lower bound of robustness metric for Neural Networks by statistic approach
- The outcomes from my research will make Deep Learning Network more applicable in the fields like automatic pilot, *FinTech* arbitrage and medical treatment

Education

- 2020 – now ■ **PhD., Exeter University** Computer Science.
- 2019 – 2020 ■ **M.Sc., Lancaster University** Data Science (Distinction).
Thesis title: *Formal Estimation of the Lower Bound of Robustness for Neural Networks by r-largest Approach*
- 2016 – 2017 ■ **Charles University** Academic Exchange
- 2015 – 2016 ■ **M.A., Sogona University** International Studies in International Finance.
GPA: 4.01/4.3
- 2009 – 2013 ■ **B.A., Central University of Finance and Economics** Taxation.
Thesis title: *The influence of The enterprise income tax on dividends and bonuses*

Employment History

- 2018-2019 ■ **Senior Staff Member** Foreign Exchange Administration office, People's Bank of China
- 2017-2018 ■ **Solution Manager.** Jusfoun Big Data Information Group Co., Ltd.

Skills

- Languages ■ Strong competency for English, Mandarin Chinese
- Coding ■ Python, R, \LaTeX
- Certification ■ Passed Examination of Chartered Financial Analyst(CFA) of level 1, 2
- Misc. ■ Academic research, teaching, training, \LaTeX typesetting and publishing