

# Yakun Wang

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📄 <https://yw21g21.github.io/>

## Objective

I aim to build statistically rigorous and computationally feasible methodology for tomorrow's reliable machine learning systems. To this end, I am committed to reconciling the intractable posterior with the accurate and fast Bayesian (Deep) learning.

## Education

2021 – 2022 **University of Southampton**, Southampton, United Kindom

**MSc in Statistics** GPA: 81.6, Distinction(Expected)

- Statistical Computing, 91, top 1%
- Machine Learning, 87, top 5%
- Design of Experiment, 84, top 1%

2017 – 2021 **Liaoning University**, Shenyang, China

**BSc in Mathematics & Applied Mathematics** GPA: 82, Upper Second Class

- Functional Analysis, 100, top 1%
- Topology, 95, top 1%
- Differential Geometry, 95, top 1%
- Stochastic Process, 92, top 1%
- Numerical Analysis, 91, top 1%
- Mathematical Statistics, 87, top 5%

## Academic Researches

MSc Thesis 📄 *Probabilistic Numerical Method for Fredholm Integral Equation of the First Kind*

Supervisor: Dr Jon Cockayne

Highlight Explore an emerging area of research - probabilistic numerics

Learn about Reproducing Kernel Hilbert Space and Gaussian Process

Discuss about uncertainty quantification

BSc Thesis *Application of Principal Component Analysis in Judging Influencing Factors of House Prices in Shenyang*

Supervisor: Professor Jiujun Zhang

Highlight Learn about high-dimensional Statistics

Learn anout the importance of dimensionality reduction

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## Awards

Nov 2019 11th Chinese Mathematics Competitions of Chinese College Students - Third prize  
2019 – 2021 Liaoning University Scholarship

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## Services

2019 – Now **Lecturer** Alumnimax Team, Department of mathematics, Liaoning University  
– Provide lectures for students who had poor understanding on notions learned on the class  
– Operate the online media platform to attract potential math-interested students

2021 – Now **Member** Google Developer Student Club, University of Southampton  
– Introduce Machine Learning to interested students with Google TensorFlow Workshops

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## Skills

Programing Python (Numpy, Pandas), R, SPSS, STATA  
Typesetting Office,  $\text{\LaTeX}$

Language Chinese (native), and English (fluent)