# Shuyang Gong

*Peking University*

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## Education

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|---|---|
| Sep 2021 – Now | **Peking University** <br> *PhD in Mathematics* |
| Sep 2017 – 2021 | **Shandong University** <br> *BS in Statistics* |

## Research Interests

My research interest lies in probability theory and its applications to statistical physics and computer science.

## Selected Awards

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| 2019 | *National Scholarship, Shandong University* |
| 2020 | *National Scholarship, Shandong University* |
| 2020 | *Principal Scholarship, Shandong University* |

## Publications

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| 2022 | 2. Ding, J., Du, H. & **Gong, S.** A polynomial-time approximation scheme for the maximal overlap of two independent Erdős Rényi graphs. *arXiv preprint arXiv:2210.07823* (2022). |
| 2023 | 1. Du, H., **Gong, S.** & Huang, R. The algorithmic phase transition of random graph alignment problem. *arXiv preprint arXiv:2307.06590* (2023). |

## Teaching

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|---|---|
| Fall 2021 | *Calculus C* |
| Spring 2022 | *Applied Stochastic Processes* |
| Fall 2022 | *Applied Stochastic Processes* |
| Spring 2023 | *Measure Theory* |
| Fall 2023 | *Advanced Probability Theory* |