# Ziheng Chen

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*"Quidquid latine dictum sit, altum videtur."*

## Education

2019 **Ph.D. in Mathematics**, *University of Texas at Austin*, Texas.

2015–2019 **Bachelor in Mathematics**, *Peking University*, Beijing.

## Research Interest

Multiscale PDE solver

Stochastic systems

Uncertainty quantification

## Publication

Ziheng Chen and Zhennan Zhou. The Bayesian inversion problem for thermal average sampling of quantum systems. *Journal of Computational Physics*, 413:1–38, 2020. ISSN 10902716. doi:10.1016/j.jcp.2020.109448.

## Experience

2019 **Teaching Assistant**, *Math Department, the University of Texas at Austin.*
Assess homework and projects, hold office hours and clarify questions.

2019 **Research Assistant**, *Math Department, Peking University.*
Inference of observables in quantum systems based on the Bayesian inversion framework.

2018 **Research Assistant**, *Math Department, Courant Institute, the University of New York.*
Fluid dynamics simulation and the travelling wave phenomenon.