

EDUCATION

King Abdullah University of Science and Technology

Ph.D. in Computer Science

– Sampling, Machine Learning

Thuwal, Saudi Arabia

2021–Current

Nanjing University

M.S. in Pure Mathematics

– Thesis: “Harmonic functions on $RCD(K,N)$ spaces”

Nanjing, China

2017–2020

Jilin University

B.S. in Mathematics and Applied Mathematics

Changchun, China

2013–2017

EXPERIENCE

Georgia Institute of Technology

Exchange student/School of Mathematics

– Singular perturbation theory and its applications. Advisor: Howard Weiss

Atlanta, US

Jan 2016 – May 2016

The Hong Kong University of Science and Technology

Visiting student/Mathematics department

Hong Kong, China

One week, Dec 2015

TEACHING

- **Head Teaching Assistant** at The Chinese University of HongKong, Shenzhen
Financial Computation (FMA 4800) Fall 2020
- **Teaching Assistant** at Nanjing University
Advanced Mathematics Fall 2016
- **Teaching Assistant** at Nanjing University
Calculus Spring 2016

SKILLS

- **Coding Languages:** C, Matlab and Python
- **Mathematical Analysis:** Calculus, Real Analysis, Functional Analysis and Stochastic Calculus

LANGUAGES

- **English:** Proficient
- **Chinese:** Mother Language

PUBLICATIONS

- [1] A. Salim, L. Sun, and P. Richtarik, “A Convergence Theory for SVGD in the Population Limit under Talagrand’s Inequality T1”, in *International Conference on Machine Learning*, PMLR, 2022, pp. 19 139–19 152.
- [2] L. Sun, A. Karagulyan, and P. Richtarik, “Convergence of Stein Variational Gradient Descent under a Weaker Smoothness Condition”, *arXiv preprint arXiv:2206.00508*, 2022.
- [3] L. Sun and P. Richtarik, “A Note on the Convergence of Mirrored Stein Variational Gradient Descent under (L_0, L_1) – Smoothness Condition”, *arXiv preprint arXiv:2206.09709*, 2022.

- [4] L. Sun and P. Richtárik, “Improved Stein Variational Gradient Descent with Importance Weights”, *arXiv preprint arXiv:2210.00462*, 2022.
- [5] L. Sun, A. Salim, and P. Richtárik, “Federated Learning with a Sampling Algorithm under Isoperimetry”, *arXiv preprint arXiv:2206.00920*, 2022.
- [6] A. Tyurin, L. Sun, K. Burlachenko, and P. Richtárik, “Sharper Rates and Flexible Framework for Nonconvex SGD with Client and Data Sampling”, *arXiv preprint arXiv:2206.02275*, 2022.