

SHAOCONG MA

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EDUCATION

PhD in Electrical and Computer Engineering University of Utah	Sep. 2019-Jun. 2024 GPA:4.0/4.0
M.A. in Statistics University of California, Santa Barbara	Sep. 2017-Jun. 2019 GPA: 3.9/4.0
B.S. in Statistics Sichuan University	Sep. 2013-Jun. 2017 GPA: 3.6/4.0

INTERNSHIP

Student Intern (AI4Science) Lawrence Livermore National Security	May. 2022-Aug. 2022
<ul style="list-style-type: none">Develop a backpropagation-free training algorithm for a GNN containing non-differentiable modules.Paper submitted to AAAI 2024 (https://mshaocong.github.io/AI4SCI-PAPER.pdf)	

PUBLICATIONS

Shaocong Ma , Yi Zhou. <i>Understanding the Impact of Model Incoherence on Convergence of Incremental SGD with Random Reshuffle.</i>	ICML 2020.
Shaocong Ma , Yi Zhou, Shaofeng Zou. <i>Variance-Reduced Off-Policy TDC Learning: Non-Asymptotic Convergence Analysis.</i>	NeurIPS 2020.
Shaocong Ma , Ziyi Chen, Yi Zhou, Shaofeng Zou. <i>Greedy-GQ with Variance Reduction: Finite-time Analysis and Improved Complexity.</i>	ICLR 2021.
Ziyi Chen, Shaocong Ma , Yi Zhou. <i>Sample Efficient Stochastic Policy Extragradient Algorithm for Zero-Sum Markov Game.</i>	ICLR 2022.
Ziyi Chen, Shaocong Ma , Yi Zhou. <i>Accelerated Proximal Alternating Gradient-Descent-Ascent for Nonconvex Minimax Machine Learning.</i>	IEEE ISIT 2022.
Ziyi Chen, Shaocong Ma , Yi Zhou. <i>Finding Correlated Equilibrium of Constrained Markov Game: A Primal-Dual Approach.</i>	NeurIPS 2022.
Shaocong Ma , Ziyi Chen, Yi Zhou, Kaiyi Ji, Yingbin Liang. <i>Data Sampling Affects the Complexity of Online SGD over Dependent Data.</i>	UAI 2022.

OTHER EXPERIENCES

Reviewer Experiences: NeurIPS 2021; IEEE BigData 2021; IJCAI-ECAI 2022; ICML 2022; NeurIPS 2022; ICLR 2023; IJCAI 2023; ICML 2023; UAI 2023; NeurIPS 2023; TMLR; IEEE Transactions on Emerging Topics in Computational Intelligence.

Teaching Assistant: Statistics; Statistics for Life Science; Statistics for Economics; Survival Analysis; Actuarial Statistics; Fundamentals of Signals and Systems.