**SHAOCONG MA**

**E-mail:** s.ma@utah.edu

**EDUCATION**

**PhD in Electrical and Computer Engineering** Sep. 2019-Jun. 2024

University of Utah GPA:4.0/4.0

**M.A. in Statistics** Sep. 2017-Jun. 2019

University of California, Santa BarbaraGPA: 3.9/4.0

**B.S. in Statistics** Sep. 2013-Jun. 2017

Sichuan University GPA: 3.6/4.0

**INTERNSHIP**

**Student Intern (AI4Science)** May. 2022-Aug. 2022

Lawrence Livermore National Security

* 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. *Understanding the Impact of Model Incoherence on Convergence of Incremental SGD with Random Reshuffle.* ICML 2020.

**Shaocong Ma**, Yi Zhou, Shaofeng Zou. *Variance-Reduced Off-Policy TDC Learning: Non-Asymptotic Convergence Analysis.* NeurIPS 2020.

**Shaocong Ma**, Ziyi Chen, Yi Zhou, Shaofeng Zou. *Greedy-GQ with Variance Reduction: Finite-time Analysis and Improved Complexity.* ICLR 2021.

Ziyi Chen, **Shaocong Ma**, Yi Zhou. *Sample Efficient Stochastic Policy Extragradient Algorithm for Zero-Sum Markov Game.* ICLR 2022.

Ziyi Chen, **Shaocong Ma**, Yi Zhou. *Accelerated Proximal Alternating Gradient-Descent-Ascent for Nonconvex Minimax Machine Learning.* IEEE ISIT 2022.

Ziyi Chen, **Shaocong Ma**, Yi Zhou. *Finding Correlated Equilibrium of Constrained Markov Game: A Primal-Dual Approach.* NeurIPS 2022.

**Shaocong Ma**, Ziyi Chen, Yi Zhou, Kaiyi Ji, Yingbin Liang. *Data Sampling Affects the Complexity of Online SGD over Dependent Data.* 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.