University at Buffalo Department of Computer Science and Engineering School of Engineering and Applied Sciences



Research Category: A) Theory, B) Artificial Intelligence

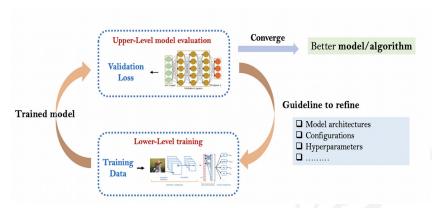
Research Area: Optimization, Machine Learning, Big Data Analytics, Federated Learning and Networks

Research Application: Edge Computing, Image Processing, Data Science Applications

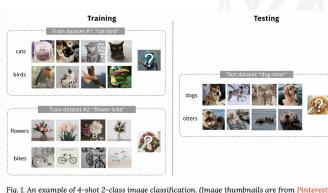
Selected Research Projects:

Bilevel Optimization for Deep Learning and Edge Computing

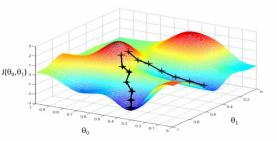
Provable Algorithms for Meta-Learning and Continual Learning with Streaming Data or Tasks



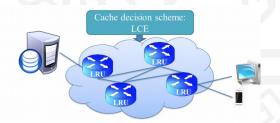
Automated Hyperparameter Search



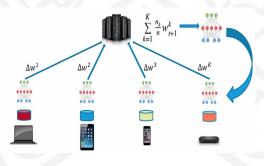
Learn to Extract Prior Knowledge



Optimization for Machine Learning



Resource Allocation over Networks



Federated Learning over Edge Devices 13