Research Assistant (RA) Positions in ML/CV/AI, CSE@MSU

Principal Investigator (PI): Prof. Sijia Liu, Email: liusiji5@msu.edu

PI Liu's lab at the Department of Computer Science and Engineering of Michigan State University (MSU) has **multiple RA openings starting Jan. 2021**. We are looking for strong candidates who are willing to pursue a PhD degree in the direction of machine learning (ML)/deep learning (DL), optimization theory and methods, computer vision (CV) and artificial intelligence (AI), with a focus on trustworthy AI (e.g., adversarial robustness, fairness, explainability, ML for security, etc.), and optimization for ML/DL.

Interested candidates are strongly encouraged to contact Dr. Liu by email, together with resume and research statement. A full description of the application instructions can be found at the department website - Future Graduate Students. Applicants who would like to start in Spring semester (Jan. 2021) please contact Dr. Liu ASAP.

About PI

Dr. Liu [Google Scholar] [Website] will join CSE@MSU as Assistant Professor in Jan. 2021. From 2018 to 2020, he was a Research Staff Member at MIT-IBM Watson AI Lab, IBM Research. His research interest spans a broad range of areas, e.g., AI, ML/DL, optimization, CV, security, signal processing, and computational biology. His recent research focus is to make AI systems scalable and robust. As datasets, ML/DL models, and learning tasks become increasingly complex, getting ML/DL to scale calls for new advances in optimization methods and ML algorithm design. Moreover, as AI moves from the lab into the real world, ensuring its safety becomes an important requirement prior to its deployment. Dr. Liu's work has been published at top AI conferences, such as NeurIPS, ICML, ICLR, CVPR, ICCV, ECCV, AISTATS and AAAI.

About CSE@MSU

MSU is a public research university in East Lansing, Michigan. It is a member of the Association of American Universities and is classified among "R1: Doctoral Universities – Very high research activity". U.S. News & World Report has ranked MSU as the **55th** best Computer Science school in the United States. In the areas of AI, CV and ML, CSRankings ranked MSU as the **39th** top Computer Science institution in the United States.