Weikuan Yu

Computer Science

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COLLABORATIVE COLLISION @FSU

My Interest in Florida

- To learn about the challenges facing the state of Florida and identify potential research opportunities

- To contribute to research that need large-scale data handling, computation or communication optimization, big data analytics, or deep learning through neural networks.

- To build interdisciplinary teams that can connect Computer Science with other departments.

Expertise/Skills

- Big data analytics

- Deep learning through DNNs

- Computational modeling

- Predictive Image compression through DNNs

- Graph Analytics

- High performance computing and communication

Research and/or Projects

- High-performance data management and workflow scheduling (LLNL)

- ECC: Ephemeral Coherence Cohort I/O Disaggregation and containerization (NSF)

- International Research Experience for Large-scale I/O and Deep Learning (NSF)

- Performance characterization and evaluation of parallel and distributed applications in the cloud.