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Research Topic: Parallel and Distributed Computing
Software Acceleration

Main role is mentor undergraduate and master projects in
Parallel or Distributed computing

Some Examples:

Psychology Dept Collab: Accelerate MRI scans

Agriculture Depart Collab: Vigor Estimation from Images

Mech. Depart Collab: Cloud Coverage Prediction for
solar power management

Computer Science: GoLang Distributed Capabilities,
CRDTs on Dist. Document; Fail Tolerance on MPI

Use supercomputing from EXCEDE program

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I teach Parallel Programming and Dist. Systems class for undergraduate and graduates.

what you hope to accomplish at the Summer Institute:

- Have no university HPC system so I use conference and summer classes to make sure I convey updated materials to my students
- Always learn by being on the other side of the class as a student
- For my self to get better/faster at running/profiling/optimizing code on a real dist. System. Since I don't use an HPC system everyday I forget stuff