



The Team



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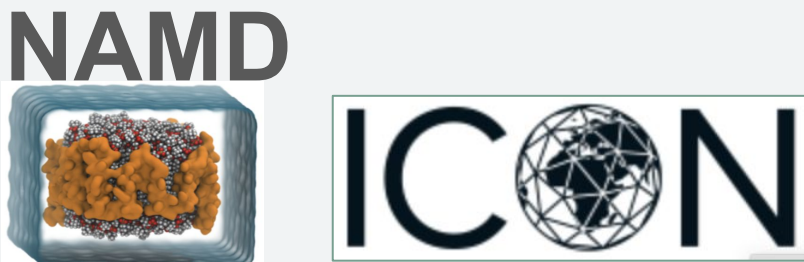
About Us

Our team is a diverse group of individuals, each bringing unique skills and perspectives. We came together through a shared passion for High Performance Computing.

Many of us met during a class in distributed computing. This is the first time participating in an event like this, although some members already presented at the SC different workshops and main events. As newcomers, we bring fresh energy and ideas, eager to learn and contribute.

Part of the group spend a summer internship at Argonne National Laboratory and learned to use a Super Computer and help develop tutorial materials for a class in GPU programming using SYCL (OpenCL) using an NBody simulation problem.

Overall, this blend of new and experienced team members creates a dynamic and supportive environment where everyone can thrive and grow together. We're excited to see how this event strengthens our bonds and enhances our collaboration.



Preparation and Strategy

Weekly Strategy Meetings:

We hold weekly strategy meetings to discuss our goals, progress, and any challenges we may face. These meetings help ensure that everyone is on the same page and working towards a common objective.

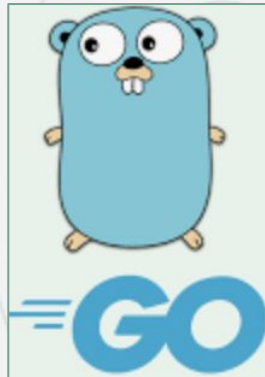
We also read reference manuals and instructions on how to accelerate the program. We will do literary reviews of papers published on how the software added scalability and fault tolerance (if part of system). By learning about the basic of the parallel structures in the software we can finetune how to scale it in our current hardware

Skill-Building Workshops:

We've organized several workshops to enhance our skills in key areas. These include technical training sessions, team-building exercises, and problem-solving workshops.

Practice Sessions:

Regular practice sessions are scheduled to simulate the event environment, allowing us to test our strategies and improve our performance.



Strengths

- Skills in OpenMP, MPI, & GPU
- System Programming and Computer Architecture
- To prepare for the IndySCC the team took classes in distributed systems where we learned MPI, GoLang, and Parallel Prog.
- Learn by Doing.

