

Assist in the design and development of new algorithms by which an MPI library can take advantage of advanced communication and asynchronous, distributed tasking capabilities that are being developed as part of the DesignForward project.

Assist in the design and implementation of algorithms to optimize MPI collective, 1-sided, and asynchronous operations.

The ideal candidate should understand and have experience with distributed and multi-threaded programming models for parallel programming, as well as with asynchronous communication over an RDMA-capable network. Experience with the internals of one or more MPI libraries (e.g., Open MPI or MPICH) is a plus.

This position would be on my team and, geographically, would be located in Austin, TX.

If you know of anyone who might be interested, I would appreciate it if you could pass on their CV to me, or have them contact me directly.