Aspiring PI Info:
- Sreepathi Pai
- Associate Professor of Computer Science
- University of Rochester

Research interests:

- Compilers for DSLs
- Parallel Computing (GPUs)
- Computer Architecture
- High Performance Computing
- Formal Methods

Current Project(s)

- GPU Performance Portability Tuning
- Simulating Large scale ML Workloads
- Formalizing NVIDIA's GPU Instruction Sets
- Compiler Correctness
- Formal Methods for Performance

Project Idea(s)…

- SMT Solver Parallelization and Performance

… and possible collaborators sought

- (Field) FM-aided Cross-Layer Optimizations
  - Break layers of abstraction safely
- (Field) Programming models for noisy computation systems
  - Analog systems