

Project 2 Ideas

- 1) Image processing tool. Implement two or more photo processing algorithms using openMP, MPI, or CUDA
- 2) Data mining streaming engine. Read data and process data (e.g., sorting, least squares)
- 3) Simulation of a game
- 4) Scale a clustering or classification algorithm. Requires locating data.
- 5) CUDA exploration. Requires a computer with an Nvidia graphics card. Alternative is to use OpenACC or OpenCL.
- 6) Construct an object dependency graph
- 7) Trip planner for the SJSU campus. Calculate time, cost, and distance trade offs
- 8) Particle diffusion using Navier-Stokes equation
- 9) Hadoop-MPI integration
- 10) Or ...? Be creative but, scope according to the three weeks remaining!