StudentPi

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StudentPi Cluster

• Originally developed in 2014
  – Modular 3-D printed case design (open sourced since 2015):
    https://www.thingiverse.com/thing:892959
  – 1 hour setup tutorial; images available on website:
    http://suzannejmatthews.com/private/cluster.html

• Primarily used to engage students in research
  – Published 3 papers, including two with students.
Reflection

• Great system to drive home networking principles along with parallel programming.
  – Students had to deal with NFS issues, networking issues, power issues, etc.
  – This can be a double-edged sword!

• Students and faculty really enjoy the “hands-on” aspect.
  – Pis have a definite “cool” factor that seems to attract students.
  – Great way to help students who aren’t academic “superstars” realize their potential.