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
  - Works on Raspberry Pi B+, Raspberry Pi 2 and Raspberry Pi 3.
  - 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.