Education
Social Enterprise Workshop

- Semester workshop at UC Berkeley I-School guides students through identifying and funding social enterprises
- Joint with faculty from Haas School of Business
- Regular feedback from (social) entrepreneurs, academics, practitioners, other students
- Half obtained seed funding for pilots

Monday, August 9, 2010
Example:
LocalGround.org
End-to-End Impact

• Requires building end-to-end systems, from users to infrastructure

• Requires end-to-end methods, from problem discovery to rigorous evaluation
Why is this Hard?

• ICTD projects require:
  • Doing field work!
  • Deploying real systems!
  • Taking a “whole systems” approach

• Attracts diverse students to CS

• Empirical rigor and ecological validity - i.e. doing good Science
Three Paradigms of CS

• Mathematics - Study of Algorithms
• Engineering - Study of Computers and Programs
• Science - Study of Phenomena surrounding Computers

The Last Electrical Engineer

• *Problem:* We need to find things to work on after we’ve figure out how to build computers

• *Solution:* There are interesting problems all around us!
Building a Community

• CCC-sponsored visioning meeting in Aug 2009
• NSF-sponsored meeting in February 2010
• ACM-sponsored DEV conference in Dec 2010
• Formation of ACM special interest group
• Broadening Computer Science’s scope and potential impact
NSDR and ICTD

- Networks and Systems for Developing Regions Workshop has been running since 2008
  - Co-located with SIGCOMM, SOSP, MobiSys
  - 30-50 submissions each year
- ICTD conference has been running since 2007
  - Steady increase in submissions, up to 150
  - Berkeley, MSR, UW, CMU have active groups

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What you can do to help

• Encourage faculty and students to do projects with under-served

• Explore collaborations with schools, NGOs, governments, community orgs

• Teach classes with project opportunities

• Submit papers to DEV, NSDR, ICTD

• Talk to one of us for other ideas!