Hey, let's hit the library. There's something I want to show you.

The library? Why go there? Everything's online now.

Just come with me, you'll see.

All right, but make it quick.
Microsoft Surface

Background:
Initial release in April of 2008
Science Education @ CfA provides Wolbach w/ Surface
Surface introduced to CfA community
Contact with Brown; Garibaldi Panorama installed
Inspiration for Library Lab proposal

Details:
Cost $15K
30” display with acrylic surface
Windows Vista
Intel Core 2 Duo @ 2.13 GHz
2GB DDR2 RAM
250GB SATA Hard Drive
Infrared cameras
1024 x 768 resolution
Windows Presentation Foundation, XNA
Project:
Student driven project
Experimentation with gesture-based technology

Results:
Multiple presentations
Developed scenarios
Created “Library Explorer” prototype based on LADS
DIY Site
http://scholar.harvard.edu/wolbachux
Andries van Dam, Donald Kendall, Alex Hills
Originally Garibaldi Panorama
Large Artwork Display on Surface (LADS) for Museums
Features: Deep Zoom (Composer), controls, hotspots, sharing, tours, personal workspace, knowledge web
http://vimeo.com/23011345
Library Explorer

Student project, library and current awareness use cases,
SDO & Chandra proof of concept
Images from SI and Harvard
Dell Precision T3500/SX2210T, Visual Studio
(MS Dreamspark), MS EAP, Surface 2.0 SDK
http://scholar.harvard.edu/wolbachux
Current State

Project Timeline:

February 2012
Delivery & installation of 3 SUR40 to Cabot, Lamont & Wolbach
Development of Library Explorer completed by Brown
Advanced training for Harvard Library UX team

March 2012
Staff training and testing of SUR40, LADS & other software
Staging of library content for project usability testing

April - May 2012
Usability testing planning & implementation
Study located at Cabot Science Library

June 2012
Analysis of data gathered and final report/paper

http://projects.iq.harvard.edu/harvardux
People

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Dr. Rong Tang
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SUR40

Cost $8.6K
40”, 1080p LCD, Gorilla Glass
2.9GHz AMD Athlon II X2, Radeon HD 6700M
PixelSense (IR sensors in LCD)
Windows 7, WPF, XML, 2.0 SDK
Available via pre-order
LessonsAlreadyLearned

Don’t be afraid of failure
Keep making connections
Team w/ developers/lab & focus on user experience
Quantify as much as possible
Levels of bureaucracy
Many logistical questions
Library Explorer
Library Explorer
Library Explorer