

# ResearchWeb

# Midterm Presentation

**IPRO 321**

**October, 2009**

*Presenters:*

Zach Cornelius

Max de Courten-Myers

Bethany Nicholson

Matt Abhay

Tom Corsus

Adam Eberlin

James Kapaldo

Yuriy Sizyuk

Stephen Sundberg

Professor Robert Ellis

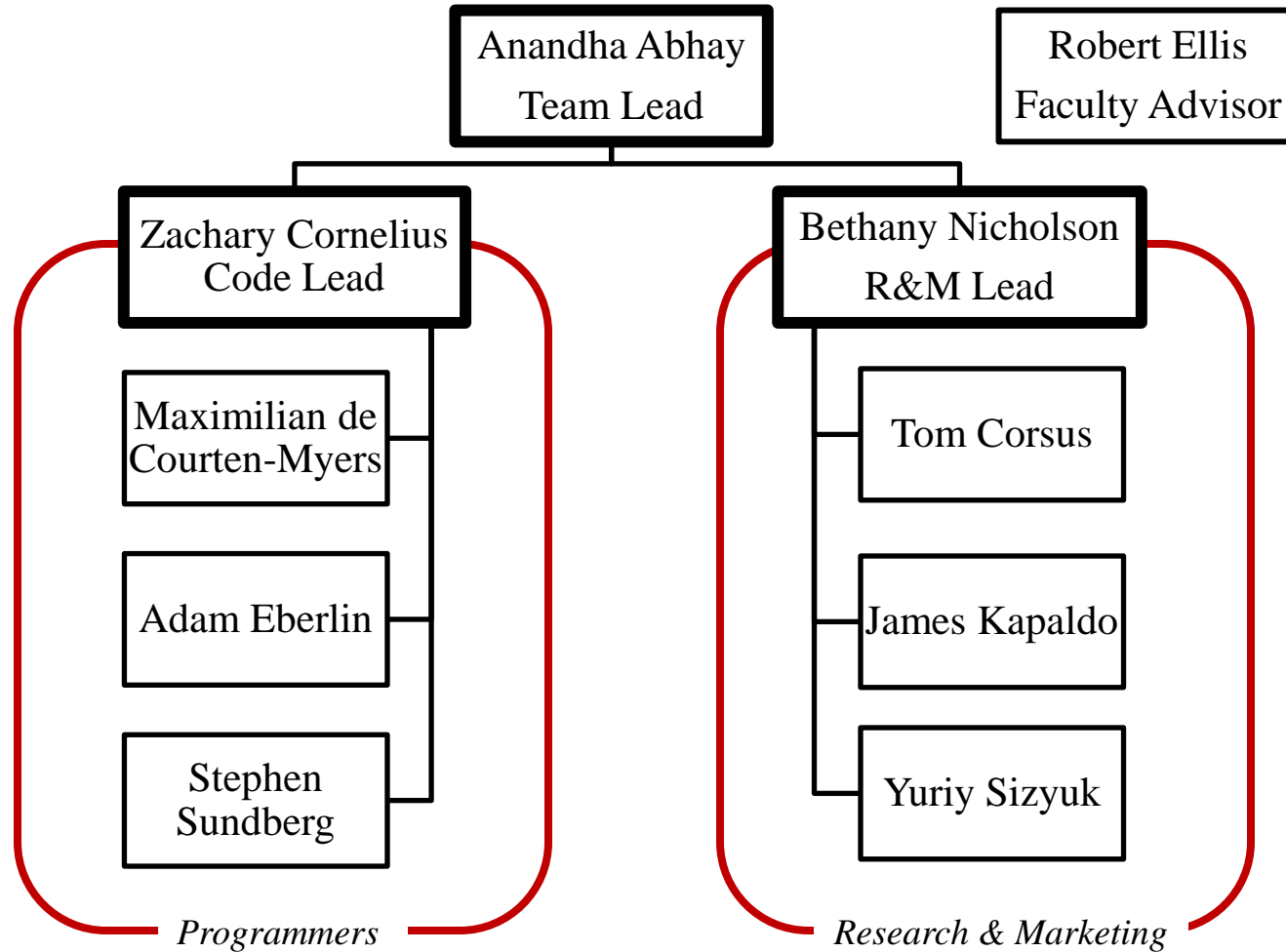
# Problem

Lack of understanding about the research process

Lack of promotion of research opportunities for undergraduate (UG) students

UGs introduced to the research have no vehicle to ease them into research and publish findings

# Team Organization



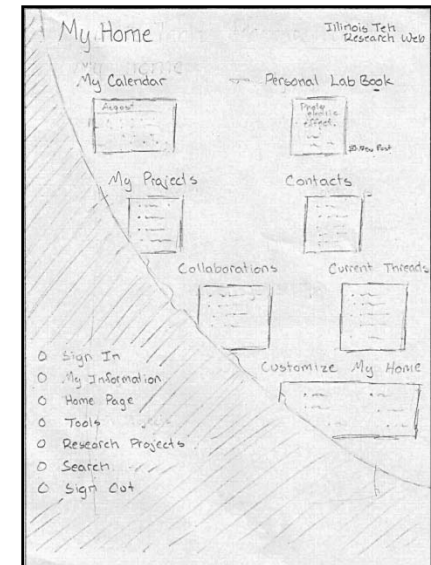
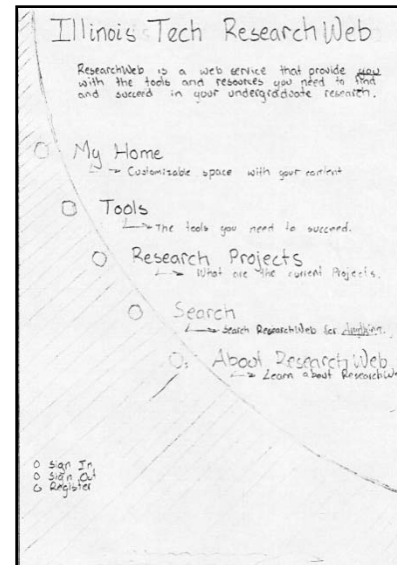
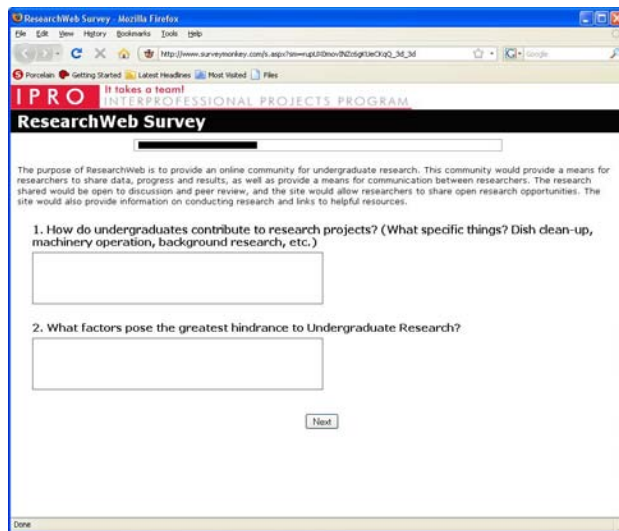


# Goals

- **Improve/Expand UG Research at IIT**
- **Mock out all views/interfaces**
- **Hold internal testing (alpha)**
- **Hold open testing (beta)**
- **Launch advertising campaign**

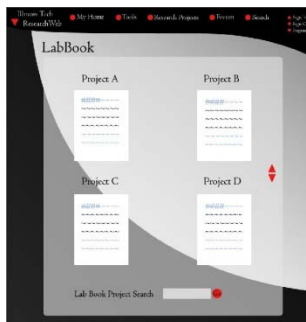
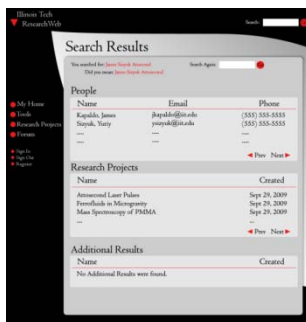
# Progress

- Survey of UG Researchers
- Design of Site Features
- Learning Ruby on Rails



# Progress cont.

## • Final Site Concept



Illinois Tech  
▼ ResearchWeb

- My Home
- Tools
- Research Projects
- Forum
- Search

- Sign In
- Sign Out
- Register

### James Kapaldo



**Information:**

Born: March 1989  
 College: Illinois Tech  
 Current Position: Student  
 Major: Physics  
 Year: Junior  
 E-mail: jkapaldo@iit.edu

**Current Projects and Activities:**  
 Currently working on the development of ResearchWeb.  
 Currently a Residence Advisor for Illinois Tech.

**Past Projects/Work Experiences:**  
 Worked as intern in software engineering for Systems Planning and Analysis Inc.  
 Research intern at Max-Planck Institute for Quantum Optics.

**Research Projects being watched:**  
 Electric field enhancement from nanosized pyramids.  
 Quantum entanglement over long distances.

**Additional Information:**

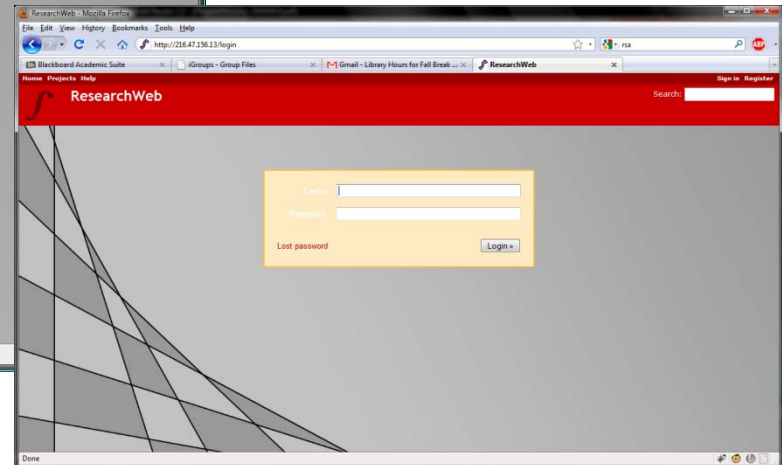
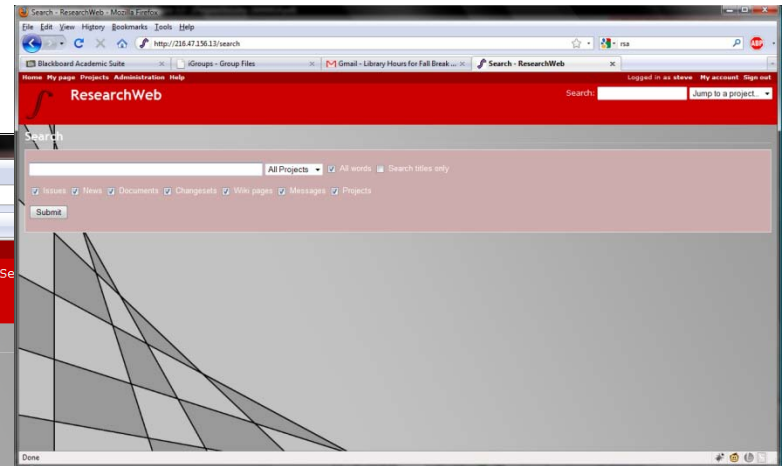
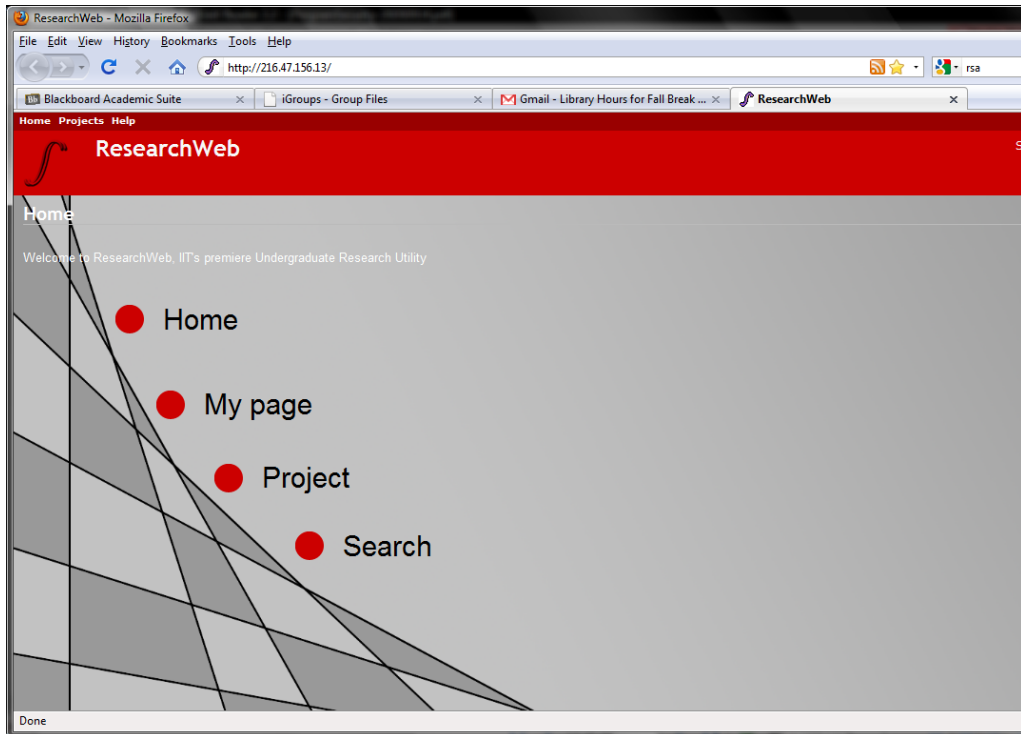
**Research Colleagues:**  
 Yuriy Sizyuk  
 Tom Corsus  
 Bethany Nicholson  
 Anandha Abhay  
 Zach Cornelius  
 Max De Courten-Myers  
 Stephen Sundberg  
 Professor Robert Ellis

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See All ▶

# Progress cont.

- First Version Site Online





# Major Obstacles

## Obstacles

- Using Ruby on Rails and Agile Model
- Lost ResearchWeb from 2008
- Setting up in-house hardware to host content

## Resolutions

- Ruby on Rails and agile software development consultants
- GIT software to back up and track code changes
- Virtual Private Server from <http://www.linode.com/>





# Future Challenges

- **Reaching Beta Stage of Development**
- **Acceptance Testing to Keep on Track**
- **Usability Testing**
- **Building a User Community**



**Questions?**