Rapid Deployment and Development of Northwestern Mobile Suite of Applications for Handheld Devices

UNIT'S PRESENTATION
MARCH 1 2010

Harlan Wallach, Media Architect, NUIT A&RT

NORTHWESTERN UNIVERSITY
Providing mobile services:
A variety of platforms

Apple iPhone -
iPhone Appstore - Dec 30 2010

RIM Blackberry
Rim AppWorld - Feb 27 2010 -(PENDING)

Web Mobile
http://mobile.northwestern.edu
Timeline Overview

Thursday, March 4, 2010
NUIT / UR Maps Meeting
Nov 4, 2009
NUIT LDAP discussion
Nov 12, 2009
Feeds for Athletics, Directory, Events, Video finalized & consolidated

Nov 18, 2009
Selection of Application Name
Nov 20, 2009

Structure for Images finalized
Nov 20, 2009

Structure for Library finalized
Nov 20, 2009

Structure for News finalized
Nov 20, 2009

First Simulator Build
Nov 24, 2009
Selection of Application Name
Nov 20, 2009

Structure for Images finalized
Nov 20, 2009

Structure for Library finalized
Nov 20, 2009

Structure for News finalized
Nov 20, 2009
Feed for Images finalized & consolidated
Nov 25, 2009

Feed for News finalized & consolidated
Nov 25, 2009
All feeds, maps, features delivered for soft launch
Dec 7, 2009
Distribution Cert Request and Documentation to Blackboard
Dec 18, 2009

Images App data finalized
Dec 18, 2009

NU Athletics, Events, Maps (only one map right now), Videos, News, Images and Directory applications
Dec 18, 2009
Maps App data revised and delivered to Blackboard
Dec 17, 2009

Distribution Cert Request and Documentation to Blackboard
Dec 18, 2009

Images App data finalized
Dec 18, 2009

NU Athletics, Events, Maps (only one map right now), Videos, News, Images and Directory applications
Dec 18, 2009

Simulator Build
Dec 18, 2009

iPhone simulator build including Library App, Athletics, Events, News, Maps, Evanston portal build
Dec 20, 2009

Interim 2 maps solution
Dec 21, 2009

iPhone simulator build including Library App
Dec 22, 2009

Chicago Map delivered to App Store
Dec 30, 2009

New Evanston development build
Dec 30, 2009
NU Athletics, Events, Maps (only one map right now), Videos, News, Images and Directory applications

Dec 18, 2009

Simulator Build
Dec 18, 2009
iPhone simulator build Including: Library App, Athletics, Events, News, Maps - Evanston partial build

Dec 20, 2009
iPhone simulator build Including Library App

Dec 22, 2009

Chicago Maps redelivered for Map training
Dec 24, 2009
Chicago Maps redelivered for Map training
Dec 24, 2009
(12:15 AM)
New iPhone Development build
Dec 24, 2009
Northwestern App available in iTunes App store

Dec 30, 2009

Northwestern
Northwestern University

Northwestern Mobile provides access to up-to-date information about Northwestern University—anytime, anywhere.

Use the Northwestern suite of apps to check on news and events, find your way around campus, and search the directory for contact information.

Features:
* News – Get the latest news from all campuses
* Events – Check out listings from Plan-It Purple
* Maps – Search for Northwestern buildings by name, pinpoint them on the map, and see your location
January 14:

- Announcement on Northwestern University home page and Newscenter
- Northwestern News (e-newsletter, print)
- Alumni e-newsletter
- Tweet on Twitter, post on Northwestern University Facebook page
- Link on Alumni Site and Facebook
- Link on Library site
- NUIT News (site, e-mail)
App Downloads

On January 14:

- Announcement on Northwestern University home page and Newscenter
- Total Downloads 1080

Downloads Through February 3:

- Total Downloads 3469
Launch Screen
Application Suite
News

- Zoltner Named Nemmers Chair
  - Posted Yesterday
  - January 19, 2010

- Chen Named Polk Brothers Chair in Retailing
  - Posted Yesterday
  - January 19, 2010

- Chen Named Wilson-Cook Endowed Professor in Engineering Design
  - Posted Yesterday
  - January 19, 2010

- Wang Named Louis Berger Junior Professor
  - Posted Yesterday
  - January 19, 2010
News

January 19, 2010 | Faculty
Chen Named Wilson-Cook Endowed Professor in Engineering Design
By Jasmine Rangel

EVANSTON, Ill. --- Wei Chen, professor of mechanical engineering in the McCormick School of Engineering and Applied Science at Northwestern, has been named the Wilson-Cook Endowed Professor in Engineering Design.

Chen's research goal is to develop rational design methods based on optimization techniques and statistical methods for use in engineering design and manufacturing problems. Her current research topics include simulation-based design under uncertainty, model validation, stochastic multi-scale analysis and design, robust shape and topology, optimization, multidisciplinary optimization, consumer choice modeling and enterprise-driven decision-based design.

Previously, Chen worked to establish the Integrated Design Automation Laboratory and organized the National Science Foundation Interdisciplinary Graduate Design Conference in conjunction with the recently held...
News

EVANSTON, Ill. --- Wei Chen, professor of mechanical engineering in the McCormick School of Engineering and Applied Science at Northwestern, has been named the Wilson-Cook Endowed Professor in Engineering Design.
Events

Thursday, March 4, 2010
Events

Kids Fare: Powerful Pipes at Alice Millar Chapel

**Time:** Saturday, January 9th
10:30 AM to 12 AM

**Description:** The magnificent pipes of the Alice Millar Chapel organ and choir will fill the air with glorious sounds.

**Location:** Evanston

**Email:** pickstaiger@northwestern.edu

**Contact:** Pick-Staiger Concert Hall
Events
Videos
Videos

The Making of Waa-Mu 2009 - One For The Books

description
Go behind the scenes of the world's most famous college musical revue with this documentary about the making of Northwestern University's 2009 Waa-Mu Show. It truly is "One For The Books!"

author
NorthwesternU
Videos
Athletics

Thursday, March 4, 2010
Athletics
Athletics
Athletics

And-1 With Amy
Tuesday, January 19

Jaeschke talks about the ‘Cats’ victory against Minnesota Sunday afternoon which was preceded by a special visit by NU’s head football coach Pat Fitzgerald.

View Full Article
Athletics
Directory
Directory
Directory
Maps
Maps
Maps
Maps
Maps
Images

- Northwestern University
- 16th - 20th Century Maps of Africa
- World War II Poster Collection
- Posters from the Melville J. Herskovits Library of African Studies
- The Humphrey Winterton Collection of East African Photographs: 1860 - 1960
Images
Images

Alice S. Millar Chapel

The Alice S. Millar Chapel, designed by architect Edward Grey Halstead, was completed in 1962. At the time, the sanctuary window was said to be one of the largest works of stained glass.
Images
Images
Images
Images
Library
Library
Library
Library
Library
Act

Scene: A early summer evening, Savannah Georgia. The living-room and part of a dining-room-kitchen in the Tate home, on Bolton Street. Emma, a black woman in her late thirties is butterflies up nervously. She is restless, calm only when calculating. A stroller cascades down between the two rooms, and Emma is everywhere, touching things lightly, then going back over them. From outside, footsteps ascend the porch stairs, and a black man, in his mid-thirties, enters, angrily, hurriedly, hardly noticing Emma. In the background is the soft music of "Swan Lake". A large picture of Garry hangs on the wall.

EMMA
[To Nathan] Tea? What on—what’s the matter?

NATHAN
[Standing, frowning] They can say what they want to—but I know better, see?

EMMA
[Half smiling] Know what?

NATHAN
Don’t make fun of me, girl? I’m not your—

(Paras) I’m the Daddy, ‘ron heat’—as I ain’t got to put—

EMMA
[Overlapping, cutting him off] Daddy, I got more respect, and you know it!

NATHAN
Well, just don’t be laughin’—I ain’t got to take it in my own house!

EMMA
[Concerned] What is on you, Daddy?

NATHAN
[Angry] The railroad, goddamn!

(Looser) The goddamn railroad! That’s what’s on me—see anybody say Nathan Tate ain’t as strong as he ever was, don’t know what the hell they think’s bad! That’s what’s on me!

(Sight pause) I ain’t but only--three goddamn years old—my daddy worked if he was seventy-four, didn’t he? You know when daddy died?

EMMA
[Distressed] Goddamn, didn’t he know you weren’t right?
Library
Changes to current Apps

- Additional Library features such as custom RSS feeds for Library services
- Additional Library search and publishing
- Tiled image presentations
- Map updates
- Live shuttle Bus tracking
- Blackboard Learn* (Blackboard native iPhone App)
Future Directions

Additional Apps

- Course Catalog?
  (Caesar with mobile add/drop)
- Places (TBD with UR)?
- NU Wildcard Student Account integration?
- Emergency notification service?
Changes for a unified NU Mobile strategy

- User agent/browser identification
- Presentation for WAP-enabled mobile device
- WAP presentation based on user agent identification
Development Teams

University Relations

Al Cubbage, VP University Relations
Janet Dobbs, Director of Web Communications
Nathan Wiens, Senior Web Developer
Lee Roberson, Senior Web Developer
Jessica Crundwell, Senior Web Designer
Development Teams

University Library

Stu Baker, Associate University Librarian, Library Technology
Claire Stewart, Head, Digital Collections
Steve DiDomenico, Head, Enterprise Systems
Bill Parod, Repository Analyst Engineer
Michael North, Senior Systems Analyst - Programmer
Development Teams

NUIIT

Harlan Wallach, Media Architect
John Norstad, Software Developer
Phil Tracy, Identity Services
XaoXia Dong, IS Architecture Engineer
Jon Fernandez, Digital Media Specialist
Anthony Del Gigante, NU Student
Bob Taylor, A&RT Director
Wendy Woodward, TSS Director
Betty Brugger, Director, Management Systems

Thursday, March 4, 2010
Support

http://www.it.northwestern.edu/mobility/northwesternmobile/index.html
Thank you