

Where are You?: Location and Library Applications

Jason Clark
Head of Digital Access and Web Services
Montana State University Libraries

Internet Librarian
October 25, 2010

Twitter #hashtag

#libgeoapp

Overview

- Does location matter?
- Library Apps and Demos
- Getting Started
- Questions

~~“Content is King”~~

What?

“Context is King”

For Real?

“About half of the queries on Google have a geographic component.”

Source: Andrew Foster, product manager at Google
<http://www.guardian.co.uk/technology/2010/jun/16/google-maps-property-finder>

Location is a metric for
interest.

Can libraries apply this?

Temporality is a metric for
interest.

Can libraries use presence?



LOOK FOR

[search](#)

Yellowstone Park

General information

[United States](#) 

Animals you might see

[American Badger](#)[American Beaver](#)[American Bison](#)[American black bear](#)[Brown Bear](#)[Coyote](#)

Have you been here?

Tell us which animals you saw.

I saw a

[Search](#)

Average rating

Based on ratings of 1 trip by 1 spotter.



Have you been here? Why not [add your trip?](#)

Have we got our facts right? [Suggest changes](#) to our information

Photos



Library Applications

- Mapping Data
- Check-in Services
- Crowdsourcing Geo Information
- Local Interest Apps

Mapping Data

- Montana State University Research Locations
- UNC Digital Collections Map Browse
 - www.lib.unc.edu/dc/geobrowse/
- TAMU Geological Atlas, United States
 - repository.tamu.edu/handle/1969.1/2490

Geography becomes a browse point

Browse Locations :: Maps of MSU Research Locations - Electronic Theses and Dissertations (ETDs)



print-friendly page | mobile-friendly page

Check-in Services

- Darien Library (Connecticut)
- Enoch Pratt Free Library (Maryland)
- US National Archives
 - foursquare.com/usnatarchives

Participate and get badges or gifts

Check in @ the Darien Library on foursquare

Darien Library

- [Home](#)
- [Search this site](#)
- [Site map](#)
- [Talk to a librarian](#)
- [Log in](#)

Children

- ▼ [First Five Years](#)
 - [Early Literacy](#)
- ▼ [Kids](#)
 - [Booklists](#)
 - [Homework Help](#)
 - [Links](#)
- ▼ [for Grownups](#)
 - ▶ [Parents](#)
 - [Teachers](#)

Teens

- ▼ [Teens](#)
 - [Click!](#)

Written by kjones on 02/25/2010

From the Darien post office to your grocery store of choice to, of course, the Darien Library, there's a lot of places you visit in a day. What if you recorded - *checked in* - where you went daily on your [mobile phone](#) and what if you were given points for those visits? Sounds like the making of an interesting game...

That's the exact premise behind the online game [foursquare](#)!

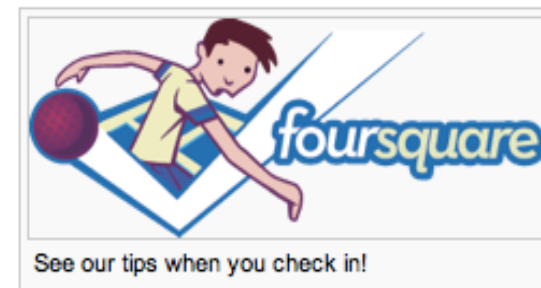
Play along with your fellow community members to see what places are of interest in the area. When you check in other folks may have left tips for you at different locations - called venues. The library staff has put together a nice list of things to check out while in the library at [our venue on foursquare](#).

The more you check in, the more points you get. Check in enough times and become mayor of that location! If you become mayor of Darien Library please stop by the Welcome Desk and speak to Erica Leone to claim your very own Darien Library tote bag (a \$25 dollar value)!

One bag per mayor please :)

[Login or register to post comments](#)

[Technology](#) [General Information](#) [Research](#) [Teens](#)



Darien Library, 1441 Post Road, Darien, Connecticut, 06820-5419 · 203-655-1234
 Directions and Contact Information. Twitter: [darienlibrary](#). AIM & YIM: [deweydarien](#).

Crowdsourcing Geo

- New York Public Library
 - maps.nypl.org

Historical Overlays

Help us create better geographic data



How to use this tool

NYPL Map Warper How-To

The NYPL Map Rectifier is a tool for digitally aligning ("rectifying") historical maps from the NYPL's collections to match today's precise maps. Visitors can browse already rectified maps or assist the NYPL by aligning a map. Play the video above to tour the site and learn how to rectify a map yourself.

Everyone is welcome to participate!

Search for in all maps rectified maps only

Most Recently Rectified Maps

Map	Title	Last modified	Status
	<p>Part of the Borough of Queens, Flushing, Ward 3. <i>from Atlas of the city of New York, borough of Queens, Long Island City, Newtown, Flushing, Jamaica, Far Rockaway, from actual surveys and official plans / by George W. and Walter S. Bromley. (In 2 layers) Depicts: 1909</i></p> <p>View Map Edit/Rectify Map Download KML</p> <p>Bibliographic records: Digital Gallery CATNYP</p>	about 5 hours ago.	7 control points.
	<p>Part of the Borough of Queens, Flushing, Ward 3. <i>from Atlas of the city of New York, borough of Queens, Long Island City, Newtown, Flushing, Jamaica, Far Rockaway, from actual surveys and official plans / by George W. and Walter S. Bromley. (In 2 layers) Depicts: 1909</i></p> <p>View Map Edit/Rectify Map Download KML</p> <p>Bibliographic records: Digital Gallery CATNYP</p>	about 5 hours ago.	6 control points.
	<p>Part of the Borough of Queens, Flushing, Ward 3. <i>from Atlas of the city of New York, borough of Queens, Long Island City, Newtown, Flushing, Jamaica, Far Rockaway, from actual surveys and official plans / by George W. and Walter S. Bromley. (In 2 layers) Depicts: 1909</i></p> <p>View Map Edit/Rectify Map Download KML</p> <p>Bibliographic records: Digital Gallery CATNYP</p>	about 5 hours ago.	4 control points.

[More Rectified Maps...](#)

Local Interest Apps

- NCSU Wolf Walk
- San Jose Public Library
 - Augmented Reality Historical Walking Tours
(in beta...)

Location-based Learning Opportunities

WolfWalk

Explore NC State history right on your phone

WolfWalk allows you to explore North Carolina State University's campus history on your phone. WolfWalk has information on 90 different sites on campus, with images that trace the site's history, courtesy of the [NCSU Libraries Special Collections Research Center](#). WolfWalk will also show you information about the sites closest to you, depending on the capabilities of your phone.



Get WolfWalk
for iPhone



Visit WolfWalk
Mobile Web

Send WolfWalk to my phone

Select provider...

999-999-9999

Send Text Message

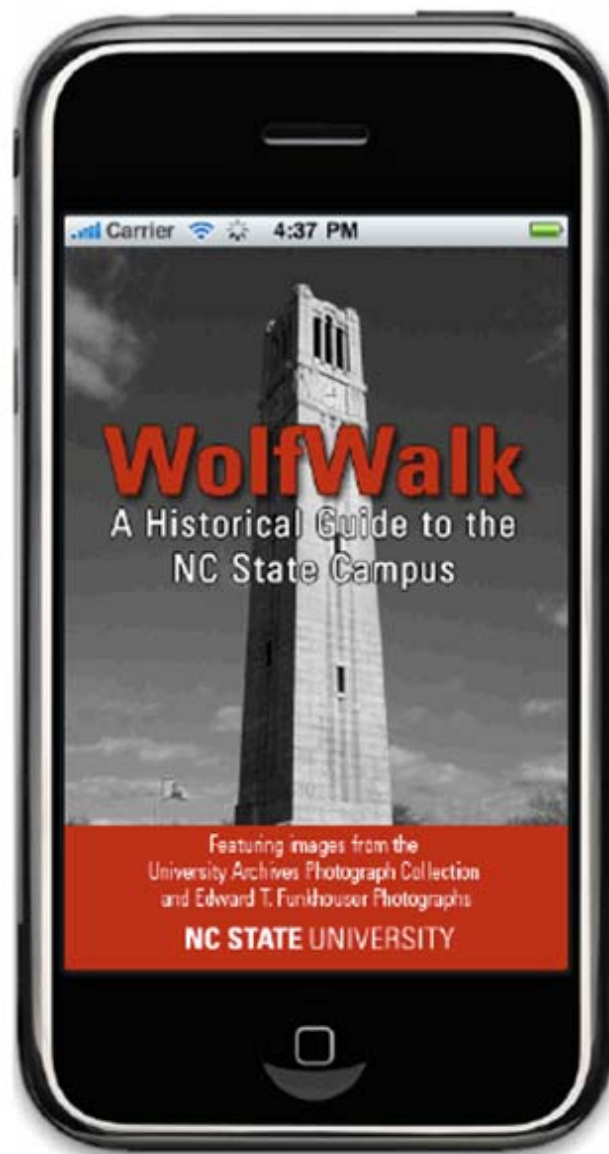
We will not store or share your number. Sending messages is free, but your mobile provider may charge you to receive messages. Please check with your provider for details.

Need support? Have a suggestion for us?

If you have any questions about WolfWalk or have suggestions for us, send a message to wolfwalk@lists.ncsu.edu.

Explore more NC State history

To find out more about NC State's history, visit [Historical State](#). Historical State is the home of our comprehensive catalog of historical images of NC State, and contains all of the images used in WolfWalk. Historical State also features course catalogs, and a near-complete run of the *Agromeck*, NC State's yearbook.



Geolocation (options)

- w3c Geolocation API
 - accurate
 - supported in Firefox 3.6, Safari 4
 - Javascript functionality
- Yahoo Query Language Location Tables
 - Web Services, REST API
 - Server-side and/or Client-side scripting

These are just two of the options...

Getting Started

- Choose data with location interest
- Record latitude/longitude
- “Reverse Geocode” to get text values
 - code.google.com/apis/maps/documentation/geocoding/#ReverseGeocoding

Going Offline

- HTML5 Offline Database Storage
 - www.html5rocks.com/features/offline
- HTML5 Local Session Storage
- Record values in physical - QR codes
- HTML5 Local caching - cache manifest file
- Download MaxMind GeoIP Databases
 - www.maxmind.com/app/geoip_country

BooksnStuffNearby

A Beta App

<http://www.google.com/search?q=jason+clark+code>

HTML5 Geolocation API,
Worldcat Search API,
Twitter Search API, etc.

Building blocks for a service

Resources

- Where 2.0 Conference
 - <http://where2conf.com/where2010>
- Location Aware (blog)
 - <http://www.locationaware.com/>
- Geolocation API - diveintohtml5
 - <http://diveintohtml5.org/geolocation.html>

pinboard.in URL (get links)

pinboard.in/u:jasonclark/t:libge
oapp/

Questions?

twitter.com/jaclark
www.jasonclark.info