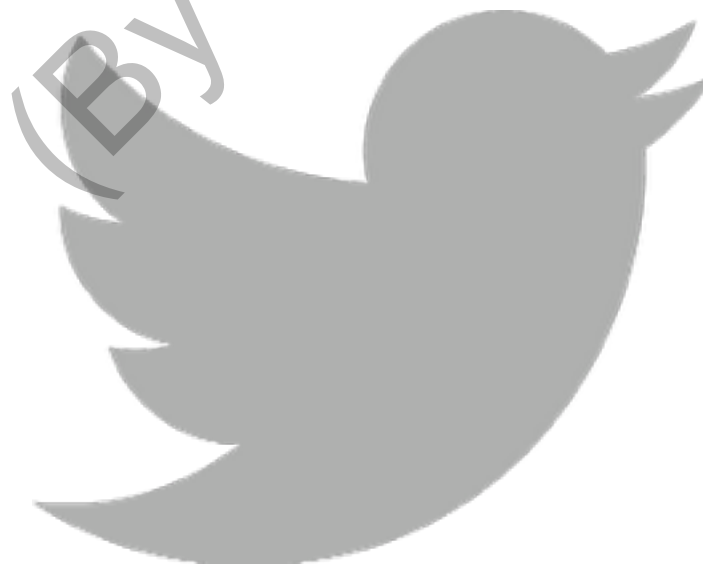




# Spatial Computing – University of Minnesota



**foursquare**

# Volunteered Geographic Information

Spatial Computing – University of Minnesota

## Learning Objectives

1. Know the definition and historical context of volunteered geographic information (VGI)
2. Be able to produce VGI yourself!
3. Understand the socio-technical systems behind VGI.
4. Be qualified to assess the pros and cons of VGI for a given problem context.
5. **Technical Track:** Be able to use VGI in your apps, websites, and other systems



# Wikipedia has revolutionized computing in **two** ways...



Hugely popular with  
**people**

**Sixth** most popular  
website in the world

[Alexa 4/2014]

**WP** > WordPress +  
Twitter + LinkedIn

[DoubleClick 2011]

**#1 result** for ~50%  
of searches

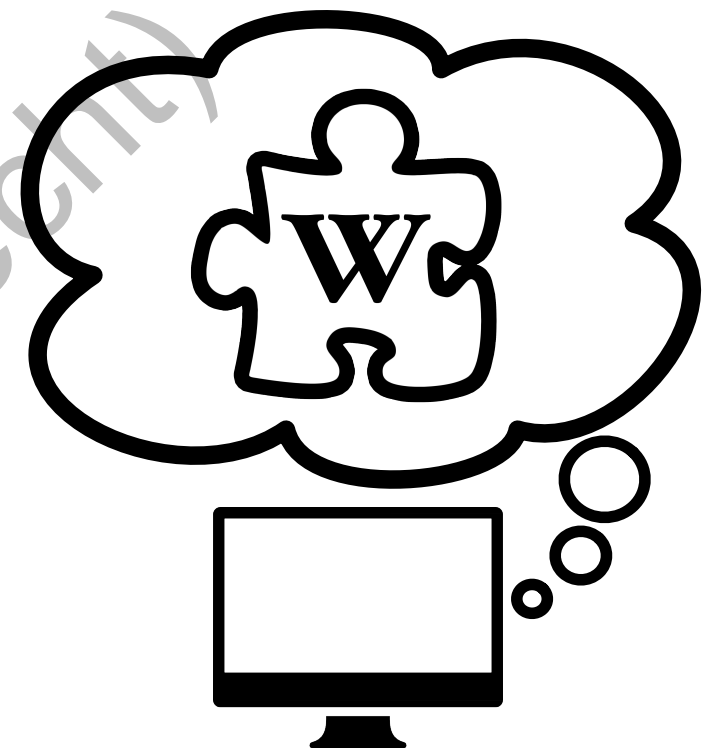
[Search Engine Watch 2012]



# Wikipedia has revolutionized computing in **two** ways...



Hugely popular with  
**people**



**BRAINS** of modern  
computing



# WikiBrain

[View project on GitHub](#)

## Resources related to Shilad's 2014 OpenSym talk:

- [Talk slides](#)
- [WikiSym 2014 paper](#)
- Source files: [Quickstart.java](#), [TranslateConcept.java](#), [SimilarMovies.java](#), [CountryPageViews.java](#), [SimpleToblersEvaluator.java](#), [CategoryViews.java](#)

WikiBrain's busy thinking up its first public release. Please be patient while we fine tune our APIs and complete our documentation. Ask us questions at the [WikiBrain google group](#)!

<http://wikibrainapi.org>

developers to incorporate state-of-the-art  
lines of code.

**WikiBrain** is a collaboration  
between....

MACALESTER COLLEGE



**groupLens**

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UNIVERSITY OF MINNESOTA







# WikiBrain

**Mission:** Democratize access to Wikipedia data and state-of-the-art Wikipedia-based algorithms and technologies

**Audience:** Programmers with Java skills

**Focus:** Core data structures, artificial intelligence, natural language processing, spatial computing

**Design goals:** Fast, flexible, easy-to-use, extensible

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