

Social Media Apps Programming

Course Orientation and Introduction to Social Media and Mobile Apps Programming

1021SMAP01 TLMXM1A (8687) (M2143) (Fall 2013) (MIS MBA) (2 Credits, Elective) [Full English Course] Thu 9,10 (16:10-18:00) B310



Min-Yuh Day, Ph.D. Assistant Professor

<u>Department of Information Management</u>
Tamkang University

http://mail.tku.edu.tw/myday

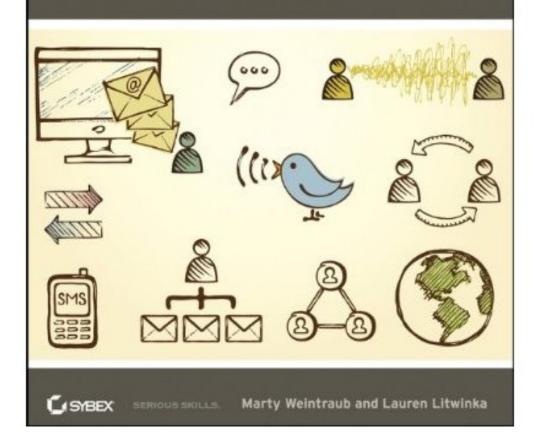


#1 Activity on the Web? Social Media



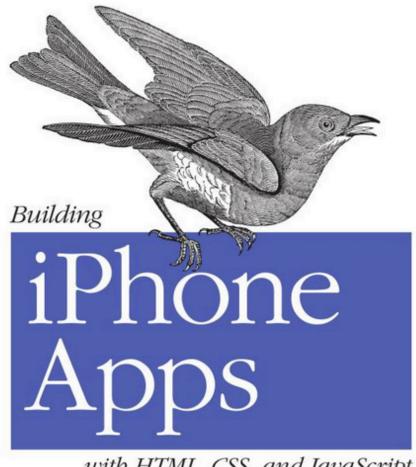
The Complete Social Media Community Manager's Guide

Essential Tools and Tactics for Business Success



Jonathan Stark, Building iPhone Apps with HTML, CSS, and JavaScript: Making App Store Apps Without Objective-C or Cocoa, O'reilly, 2010

Making App Store Apps Withhour @bjective-C or Cocoa



with HTML, CSS, and JavaScript

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Jonathan Stark

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PhoneGap: http://phonegap.com/





Course Syllabus

Tamkang University Academic Year 102, 1st Semester (Fall, 2013)

- Course Title: Social Media Apps Programming
- Instructor: Min-Yuh Day
- Course Class: TLMXM1A (MIS MBA)
 - Master's Program, Department of Information Management, 1A
- Details
 - Selective
 - One Semester
 - 2 Credits
- Time & Place: Thu 9,10 (16:10-18:00) B310



Department Teaching Objectives

- Devoting to the integration and research of information technology and business management knowledge
- Cultivating for society, middle and higher level managers with both information capabilities and modern management skills



Department Core Competences

- 1. Use of modern management knowledge
- Logical thinking
- 3. Critical analysis
- Integration of information technology and business management
- 5. Research and innovation
- 6. Theory and applications data analysis
- Information and communication security management
- 8. Verbal and writing communication skills

Tamkang University

Course Introduction

- This course introduces the fundamental concepts and practices of social media and mobile apps programming.
- Topics include
 - Introduction to Android / iOS apps programming,
 - Developing Android native apps with Java (Eclipse),
 - Developing iPhone / iPad apps native apps with objective-C (XCode),
 - Mobile apps using HTML5/CSS3/JavaScript,
 - jQuery Mobile,
 - Create hybrid apps with Phonegap,
 - Google app engine, Google map API,
 - Facebook API,
 - Twitter API,
 - Case study on social media apps programming and marketing in Google Play and App Store.



Teaching Objectives

Students will be able to understand and apply the fundamental concepts and practices of social media and mobile apps programming



Teaching Methods

- Lecture
- Discussion
- Simulation
- Practicum
- Problem Solving

Assessment

- Practicum
 - Report
- Participation

Course Schedule (1/3)

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Week Date Subject/Topics

    1 2013/09/19 Mid-Autumn Festival (Day off)

• 2 2013/09/26 Course Orientation and Introduction to
                  Social Media and Mobile Apps Programming
     2013/10/03
                  Introduction to Android / iOS Apps
                   Programming
 4 2013/10/10
                  Double Tenth Day (Day off)
• 5 2013/10/17
                  Developing Android Native Apps with Java
                  (Eclipse) (MIT App Inventor)
     2013/10/24
                  Developing iPhone / iPad Apps Native Apps
                  with Objective-C (Xcode)
```

Course Schedule (2/3)

Week Date Subject/Topics

- 7 2013/10/31 Mobile Apps using HTML5/CSS3/JavaScript
- 8 2013/11/07 jQuery Mobile
- 9 2013/11/14 Create Hybrid Apps with Phonegap
- 10 2013/11/21 Midterm Exam Week (Midterm Project Report)
- 11 2013/11/28 jQuery Mobile/Phonegap
- 12 2013/12/05 Google App Engine

Course Schedule (3/3)

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Week Date Subject/Topics
  13 2013/12/12 Google Map API
     2013/12/19 Facebook API (Facebook JavaScript SDK)
  14
                   (Integrate Facebook with iOS/Android Apps)
 15 2013/12/26 Twitter API
  16 2014/01/02 Case Study on Social Media Apps
                   Programming and Marketing in Google Play
                   and App Store
 17 2014/01/09 Final Project Presentation
  18 2014/01/16 Final Exam Week (Final Project Report)
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Grading Policy

- Mark of Usual: 50%
- Final Apps Project: 50%
 - Midterm Project Report
 - Final Project Report

Textbooks and References

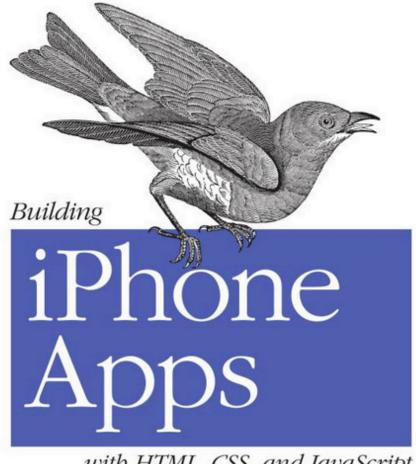
- Textbook: Slides
 - http://mail.tku.edu.tw/myday/teaching.htm#1021SMAP
- Jonathan Stark, Building iPhone Apps with HTML, CSS, and JavaScript: Making App Store Apps Without Objective-C or Cocoa, O'reilly, 2010.
- Rohit Ghatol and Yogesh Patel, Beginning PhoneGap: Mobile Web Framework for JavaScript and HTML5, Apress, 2012.
- Jon Reid, jQuery Mobile, O'reilly, 2012.

References

- jQuery Mobil: http://jquerymobile.com/
- PhoneGap: http://phonegap.com/
- MIT App Inventor: http://appinventor.mit.edu/
- Apple Developer: https://developer.apple.com/
- Android Developer: http://developer.android.com/
- Facebook Developers: https://developers.facebook.com/
- Twitter Developers: https://dev.twitter.com/
- Google App Engine: https://developers.google.com/appengine/
- Gephi: Social Network Analysis and Visualization: https://gephi.org/
- Netvizz: Facebook Netvizz app: https://apps.facebook.com/netvizz/

Jonathan Stark, Building iPhone Apps with HTML, CSS, and JavaScript: Making App Store Apps Without Objective-C or Cocoa, O'reilly, 2010

Making App Store Apps Withhour @bjective-C or Cocoa



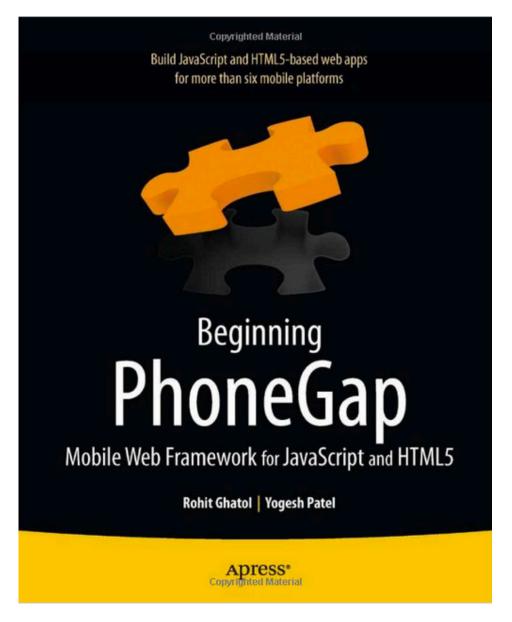
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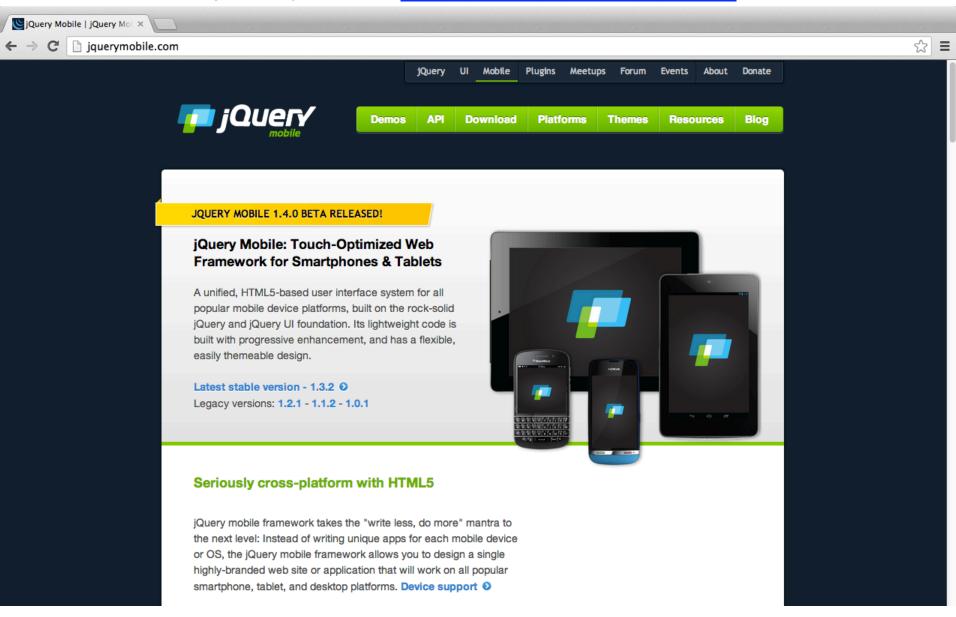


Jon Reid, jQuery Mobile, O'reilly, 2012

Using HTML5 to Design Winding profile Tablets and Smartphones Up and Running O'REILLY° Maximiliano Firtman Copyrighted Material

Source: http://www.amazon.com/jQuery-Mobile-Running-Maximiliano-Firtman/dp/1449397654

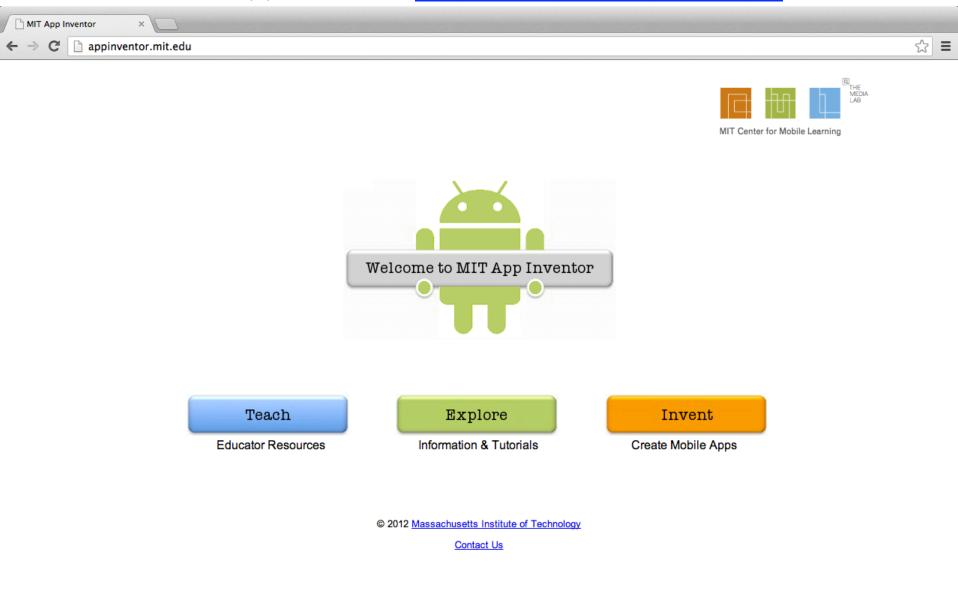
jQuery Mobil: http://jquerymobile.com/



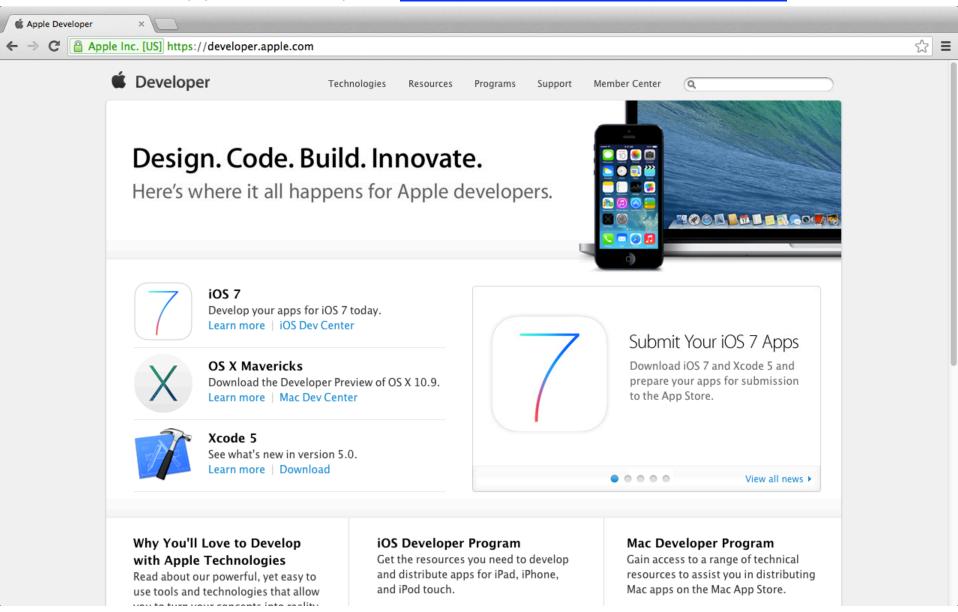
PhoneGap: http://phonegap.com/



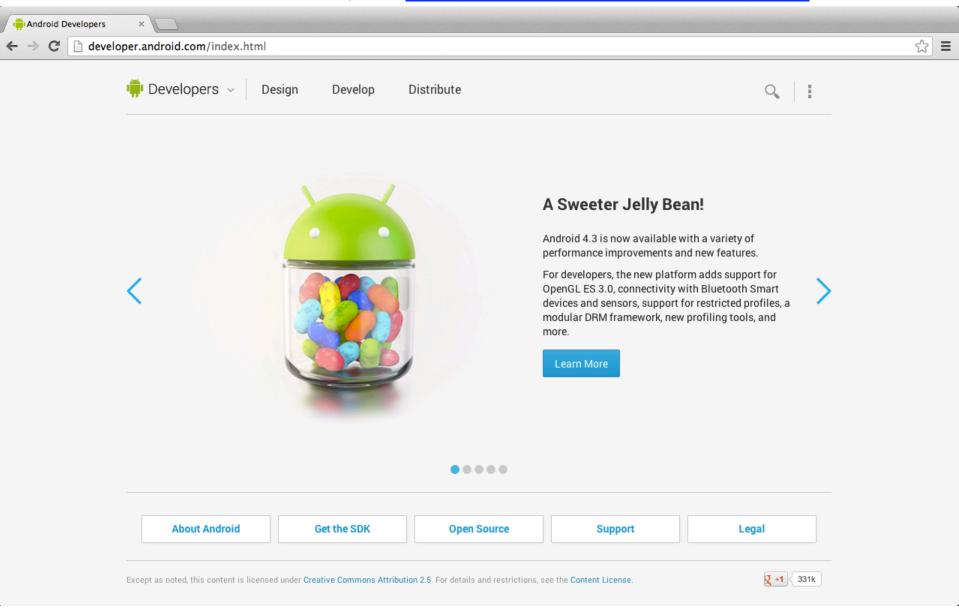
MIT App Inventor: http://appinventor.mit.edu/



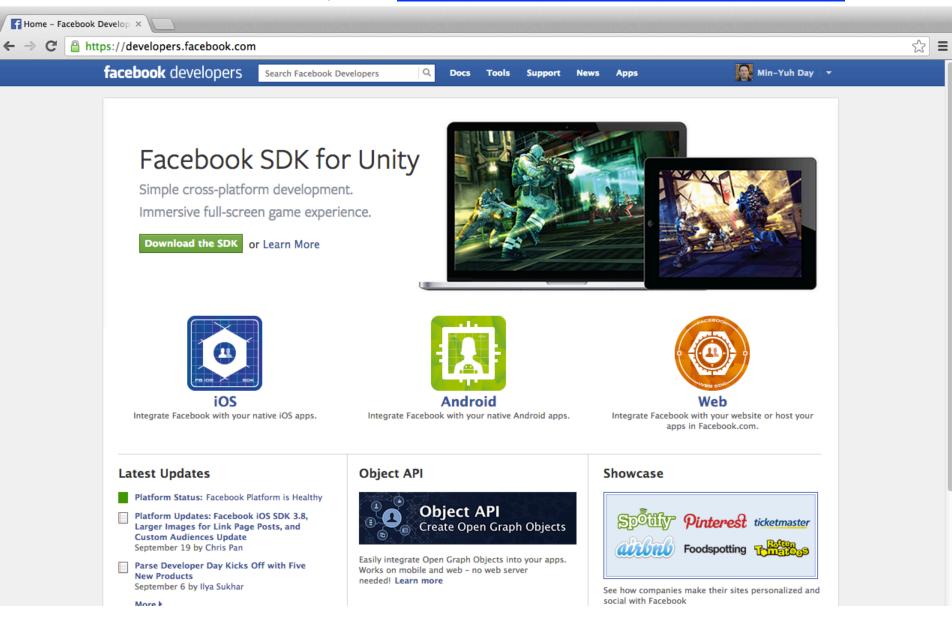
Apple Developer: https://developer.apple.com/



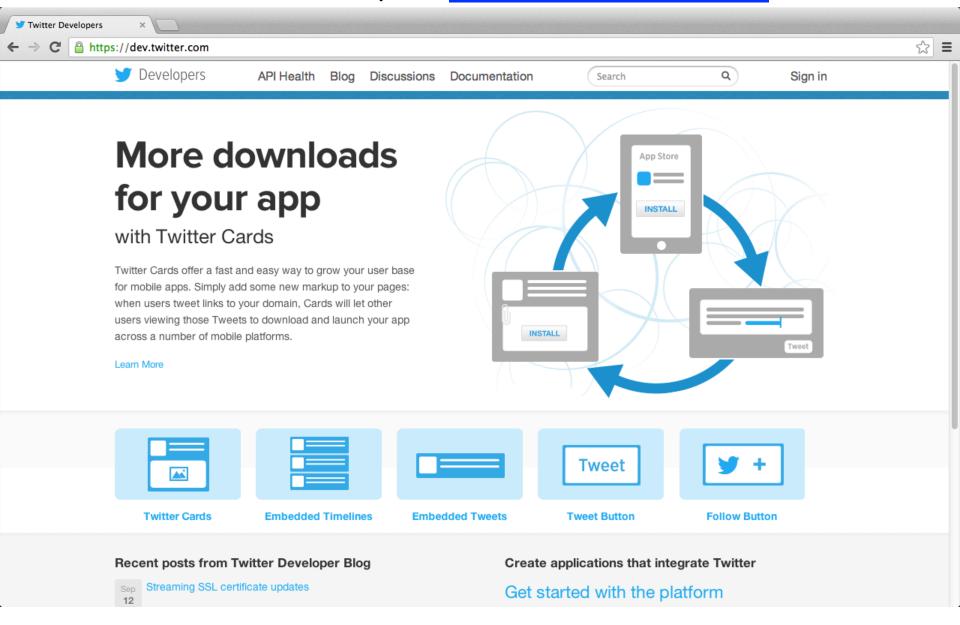
Android Developer: http://developer.android.com/



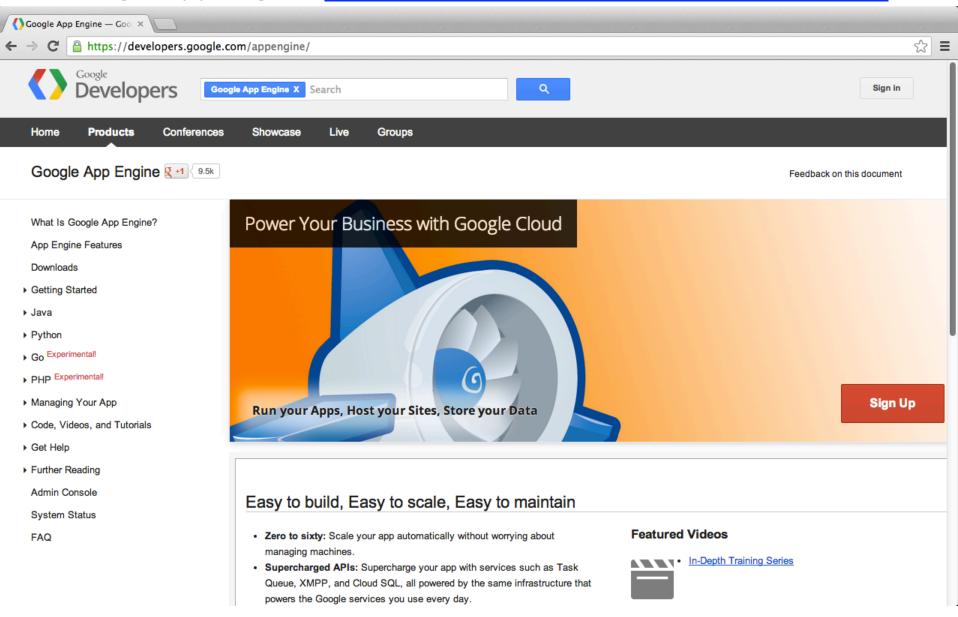
Facebook Developers: https://developers.facebook.com/



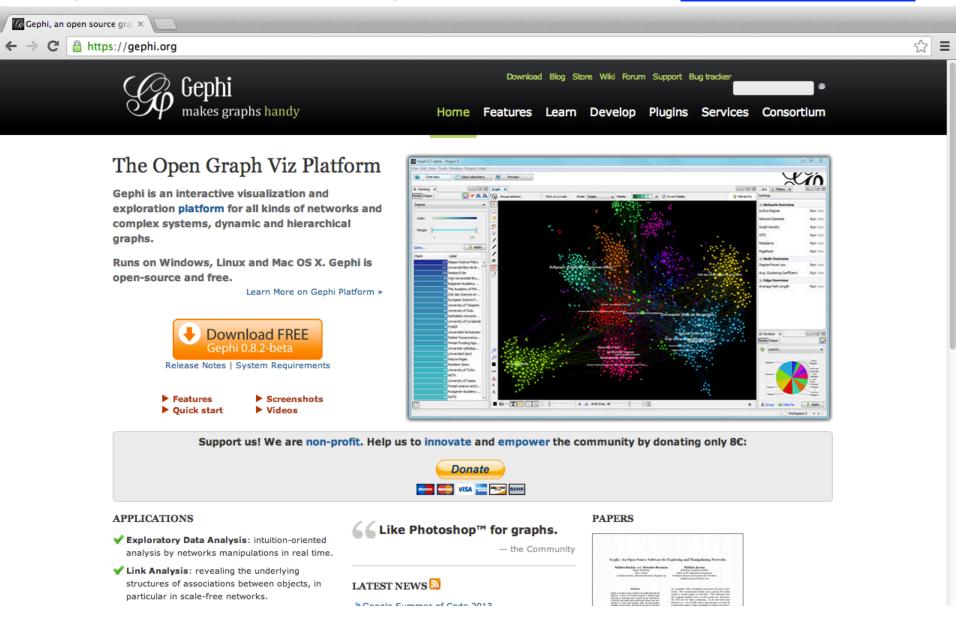
Twitter Developers: https://dev.twitter.com/



Google App Engine: https://developers.google.com/appengine/



Gephi: Social Network Analysis and Visualization: https://gephi.org/

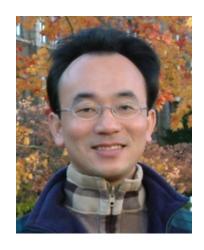


Summary

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Social Media Apps Programming Contact



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