

NATHAN SAKUNKOO

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Education:

- 2006 – **Stanford University, CA**
2010 **M.S. in Computer Science** GPA 4.03 with Distinction in Research
Ph.D. in Information Science and Technology (on leave)
- Winner of “Google’s Best Overall Gadget Award” and “Most Intelligent Gadget Award”
 - Winner of Stanford-Facebook App Contest, Stanford
- University of Cambridge, United Kingdom**
Master in Business Administration
Chulalongkorn University, Bangkok, Thailand
B.Eng in Computer Engineering

Professional Experience:

- 2014 – 2016 **Script, Inc., Palo Alto, CA, Co-founder / CTO**
- *Raised \$1.1 Million. Over 3 million users:* Flipjam - Top 30 Utilities App in the US; PicCandy - Top 5 Photos App in multiple countries in Europe, S. America, and SE Asia; InstaFontMaker - Top 5 Social App in Google Play Store, shortlisted for being featured in Google Play for Education’s Launch, finalist in Ericsson App Award.
- 2010 – 2013 **Google, Inc., Mountain View, CA, Software Engineer**
- Led the development of Google Ads Showcase App for Android - the authoritative app for showing all the mobile ads format.
 - Co-architected and developed the HTML5 Ads compilation pipeline to optimize the output for loading time, size, etc for Google Web Designer - HTML5 Ads Authoring tool.
 - Led the UI development of AdWhirl - an Ads Mediation Platform
 - Collaborated with AdSpam team to detect mobile ads publisher spams.
- Summer 2008 **Microsoft Live Labs Research, Redmond, WA, User Experience Research Intern**
- Designed and implemented Art’nfact, a system for rapid collaborative creation of visualizations.
- Summer 2007 **Google Inc., Mountain View, CA, iGoogle Software Engineering Intern**
- Worked on the ranking algorithms of iGoogle’s gadget directories.
 - Designed and implemented experimental users’ setup pages for personalized content.
- Spring 2007 **Adobe Advanced Technology Labs, San Jose, CA, Data Mining Research Intern**
- Developed a data-driven framework for extracting/mining metadata to create semantic graphs and a system for visualizing/ navigating the graphs using a declarative language approach.
- 2006 – 2007 **VocabGrapher.com & MapMyWord, Co-Founder & Developer (Google 1st Prize Winner)**
A startup pioneering in novel graph-based dictionary visualization software (acquired by ThinkMap Inc)
- Designed and implemented a visual dictionary and thesaurus whose primary features include drawing color-coded networks of words and semantic relationships in radial interactive graphs.
 - Developed the applications on 5 platforms: Windows, Mac OS X, iPhone, WM5, Web.

Awards and Honors

- First Prize, Stanford-Facebook App Contest, Stanford
- Yahoo! Hack Day Award, Yahoo!
- Google’s Best Overall Universal Gadget Award and Most Intelligent Gadget Award, Google
- First Prize, Java Animation Contest, Sun Microsystems, Columbia Pictures
- First Prize, Southeast Asian “MicroMouse Championship”, Singapore

Publications

- Sakunkoo N., Sakunkoo P., GliFlix: Using Movie Subtitles for Language Learning, ACM's User Interface Software and Technology (UIST 2009) Presentation, Oct 2009, Victoria, BC.
- Chan B., Talbot J., Wu L., Sakunkoo N., Cammarano M., Hanrahan P., *Vispedia: On-demand Data Integration for Interactive Visualization and Data Exploration* (SIGMOD 2009), June 2009, RI.
- Sakunkoo P., Sakunkoo N., *Stochastic Social Influence and Amazon Reviews*, AAAI's International Conference on Weblogs and Social Media (ICWSM 2009), May 2009, San Jose, CA.
- Sakunkoo P., Sakunkoo N., *The Road to Stardom: Ideological Schism and Reputation Networks in Wikipedia*, International INSNA Sunbelt Social Networks Conference, March 2009, San Diego, CA.
- Sakunkoo N., Ramos G., Drucker, S., *Art'nfact: Rapidly Visualizing Information from Web Pages* – Microsoft Research Technical Report.
- Sakunkoo N., Sakunkoo P., *Although I can't See, I can Hear: Camera-Assisted Self Portraits* – ACM's User Interface Software and Technology (UIST 2008) Presentation, Oct 2008, Monterey, CA.

Skills ***

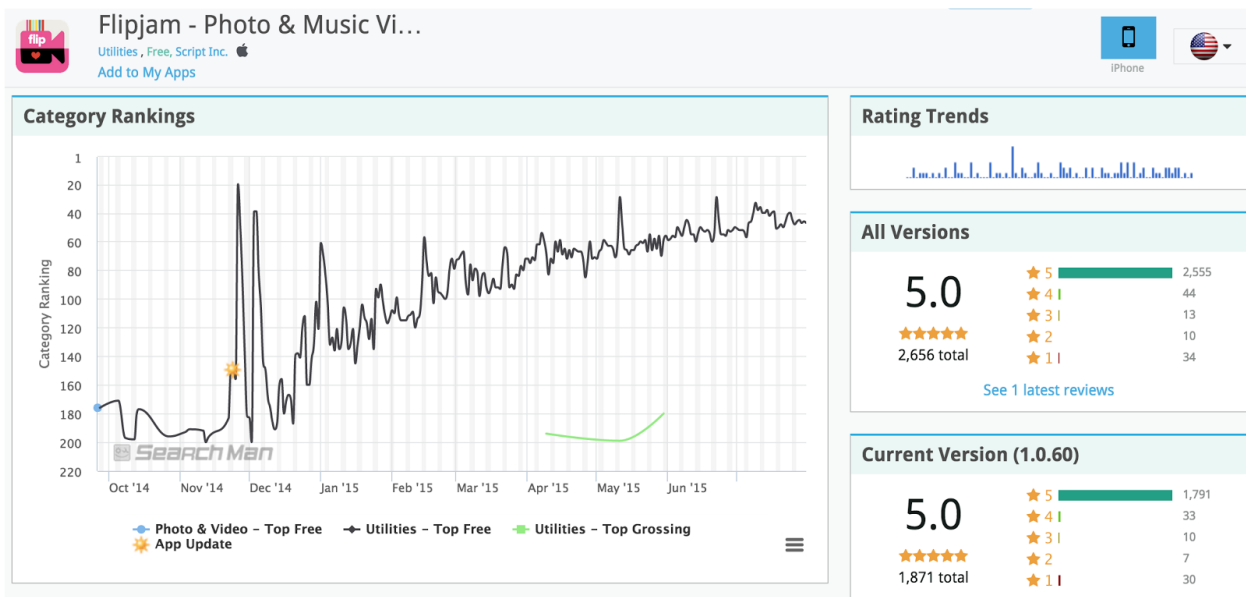
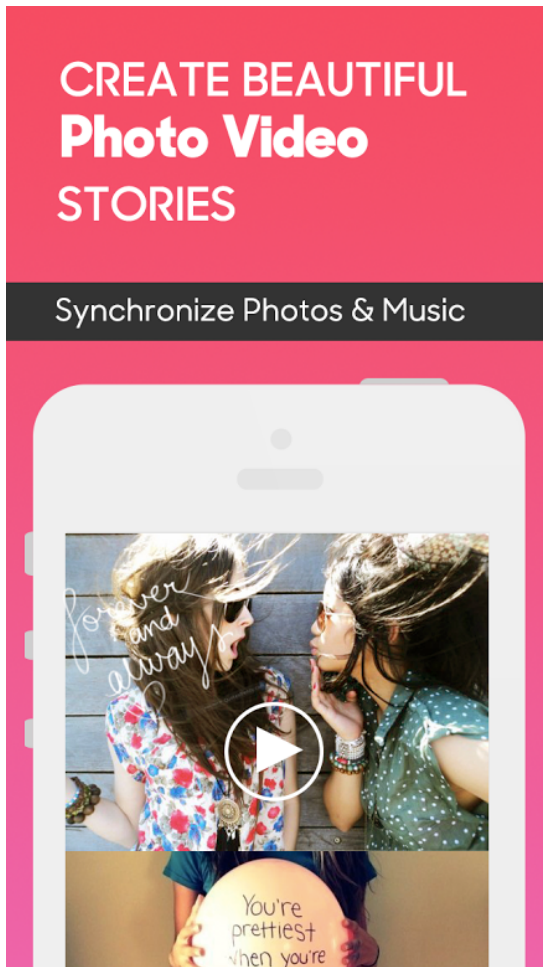
- Mobile Apps: **iOS and Android App Development**, Windows Mobile, Symbian
- Server: **Java, Python, PHP, C/C++, C#**
- Web: **Javascript**, Flex, CSS, XUL, Browser add-ons

Patents

- Systems and methods for generating video (with P. Sakunkoo, Script Inc.)
- Method and Tool for Providing Self-Identifying e-Messages (with P. Sakunkoo, Script Inc.)
- Navigable Semantic Network Definition, Modeling, and Use (with W. Chang, Adobe ATL)
- Network Visualization and Navigation (with W. Chang, Adobe ATL)

Mobile Apps (Over 3 million users in total before the company was sold):

Flipjam - Slideshow Maker App which magically **synchronize** your photo slide show to the music you love
 - Top 30 Utilities App in the US

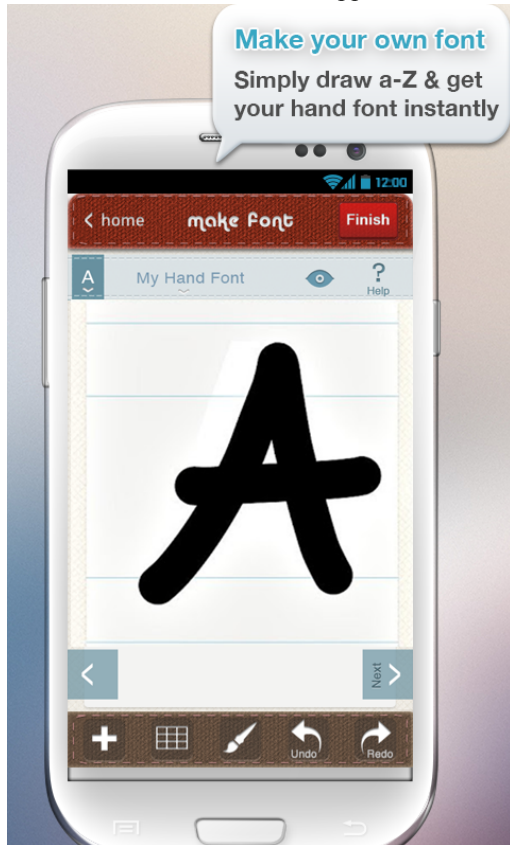


PicCandy - Top 5 Photos App in multiple countries in Europe, S. America, and SE Asia; User-generated doodles.



iTunes Store Screenshot showing PicCandy as No.1 Photo App in Spain in 2014

InstaFontMaker - Top 5 Social App in Google Play Store, shortlisted for being featured in Google Play for Education's Launch, finalist in Ericsson App Award.



German

Alle Vögel sind schon da,
 alle Vögel, alle! Welch ein
 Singen, Musizieren, Pfeifen,
 Zwitschern, Türeliern!
 Frühling...

Russian

аАбБвВгГдДеЕё
 ёЖжЗзИиЙйКкЛл
 мМнНоОпПрРсСуУ
 фФхХцЦчЧшШщЩ

Thai

สร้างสติกเกอร์ ฟอนต์ลายมือภาษาไทย
 สร้างโดยแอปฟอนต์ดอทคอม

Hello Font Keyboard - iOS App which allow typing in cool fonts without installing them!



Script Messenger - chat in your handwriting! Make your own font and chat in your handwriting.
(Patented and sold)





[Gadget Awards](#)
[Award Winners](#)
[Contest Rules](#)

[Jobs at Google](#)

Google Gadget Award Winners

Congratulations to the university student winners of the 2006 Google Gadget Awards!



Best overall universal gadget
[MapMyWord Dictionary](#)

Nathan Sakunkoo
Stanford University

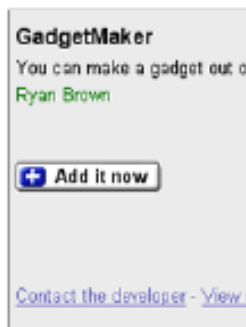
MapMyWord displays word definitions, synonyms, and relationships in graphs. It is an interactive graphic dictionary and thesaurus, which dynamically draws color-coded vivid representation of words, their relationships (16 types), and meanings in radial clickable graphs. Special editable features include wordlist difficulty setting, next word randomization, spelling suggestions, automatic height adjustment, sample usage mini-message, and clickable nodes and words.



Best overall desktop gadget
[World News Viewer](#)

Spencer Siam
University of Michigan

News items arrive from around the world and are displayed on a world map. The gadget uses a Reuters RSS feed to find news articles and displays an alert at the location listed in the article's heading.



Most useful gadget
[Gadget Maker](#)

Ryan Brown
University of Southern California

Make a gadget out of any webpage!

Judged by: Chris Anderson, Editor-in-Chief of Wired Magazine



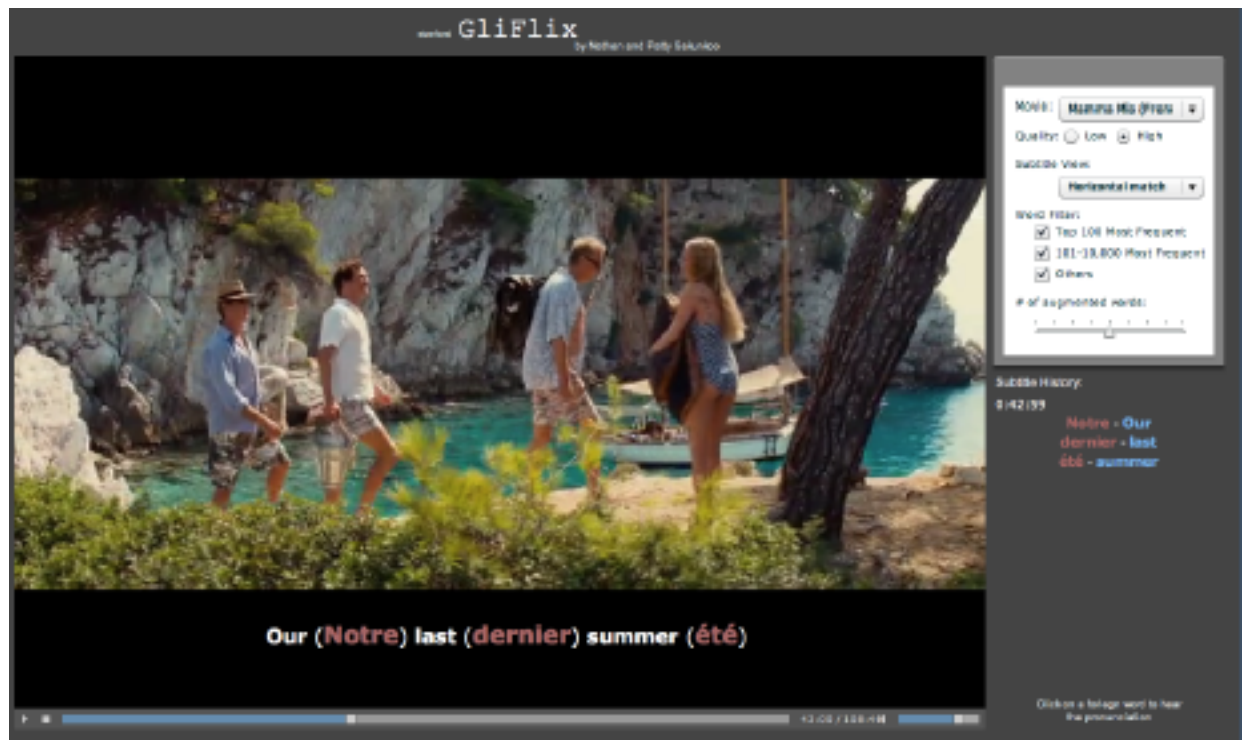
Most intelligent gadget
[MapMyWord Dictionary](#)

Nathan Sakunkoo
Stanford University

Judged by: John Hennessy, President of Stanford University

Academic Projects:

GliFlix (UIST '09) -Augmented Subtitles for learning foreign vocabulary With P. Sakunkoo.



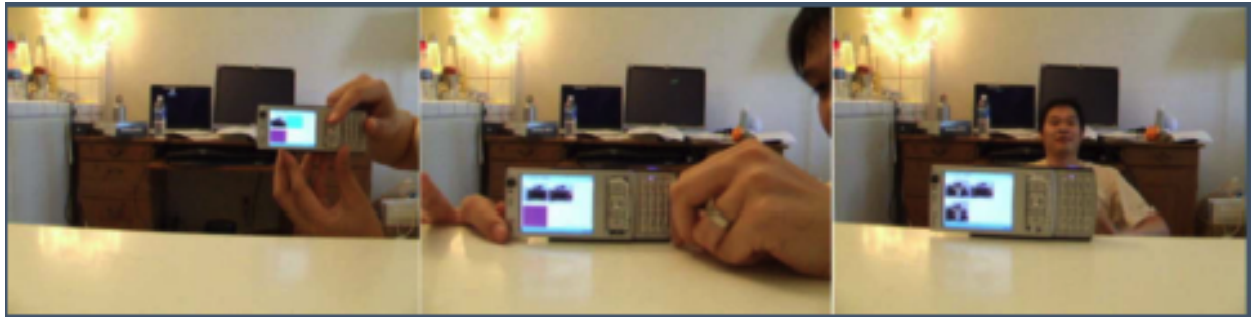
GliFlix selectively highlights foreign words spoken in the films together with the users' primary-language subtitles Technology: Flex, Python

FriendCluster – Yahoo Hack Day Award With Sakunkoo P.



Technology: Flex, ActionScript 3, Yahoo APIs, Facebook APIs

Although I Can't See, I Can Hear (UIST '08) - Speech-Assisted Self Portraits on Mobile Devices With P. Sakunkoo



The prototype that combines computer vision with audio interface to complement the conventional visual interaction, thus assisting users to capture better-framed self-portraits

Technology: C, Python

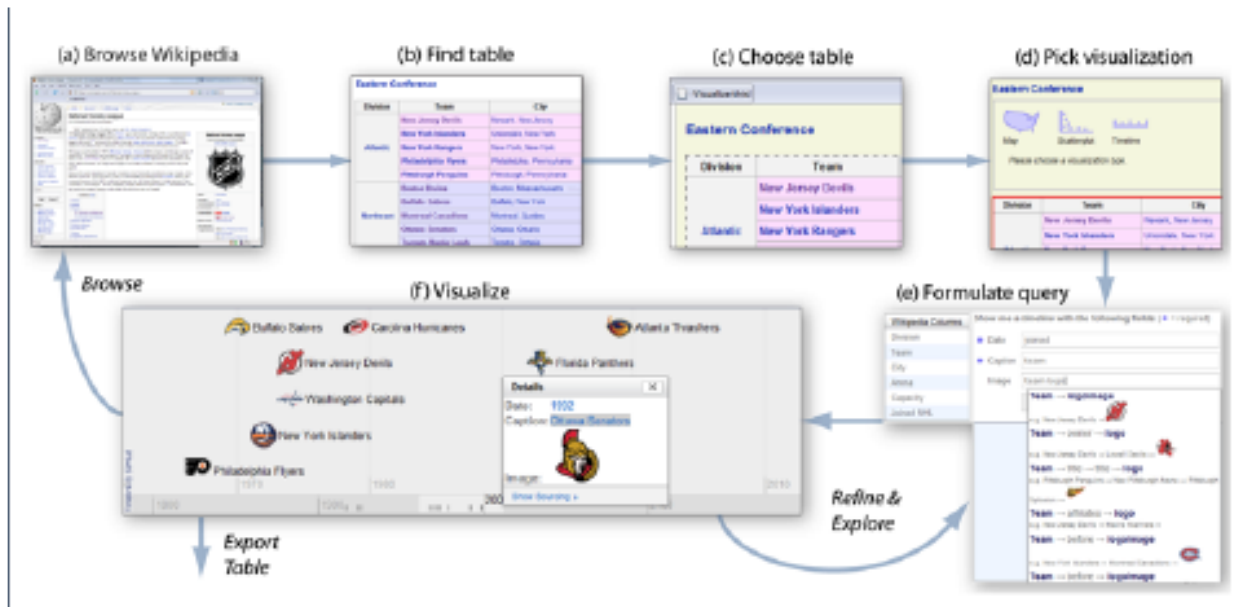
Artn'fact - Rapidly Visualizing Information from Web Pages With Ramos G., Drucker S.



Technology: XUL, Flex, ActionScript, JavaScript, Flare

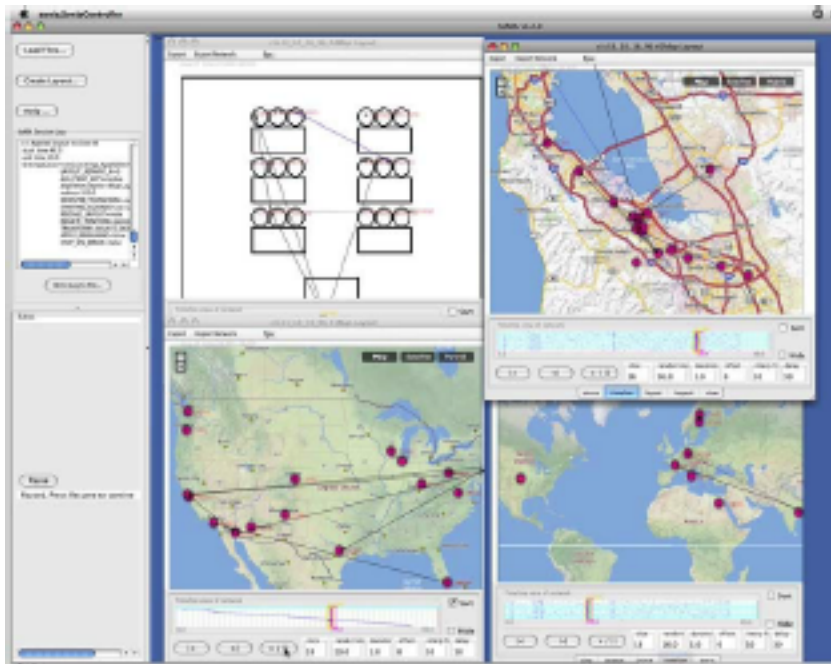
Vispedia- Interactive Visual Exploration of Wikipedia Data

via Search-Based Integration (SIGMOD '09) With Chan B., Talbot J., Wu L., Cammarano M., Hanrahan P.



Technology: YUI, jQuery, python, SMILE, DBpedia

Geo-Spatial Location Based Visualization of Network Dynamics With Sakunkoo P.



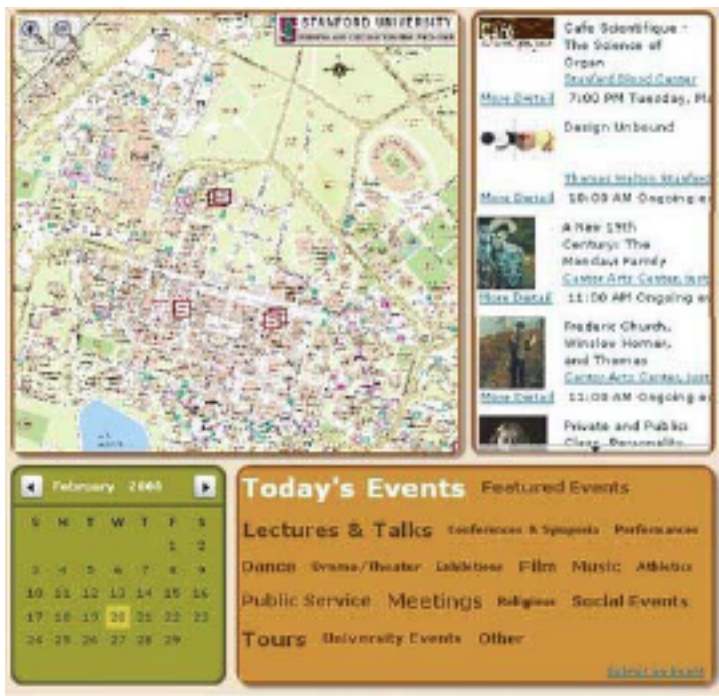
Technology: Flex, ActionScript 3, Yahoo! Map API
Sunbelt Social Networks Conference '09

iGoogle's setup page



Technology: JavaScript, CSS

SEvent Map – Winner of Stanford Facebook App Contest With Sakunkoo P.



Technology: Flex, ActionScript 3