like_com visual search

----- Original message -----From: "Lynne Neary" <<u>lynne m_neary@yahoo.com</u>> To: <u>contactus@like.com</u> Date<u>: Fri, 18 Jul 2008</u> 02:54:20 -0700 (PDT) Subject: Thank you

Where have you been all my life?! I can not get over this site. I'm still in awe. Why have I not heard of you before? I like to think that I'm "in the know" so to speak. But your site blew me away. I used to accidentally get stuck on Bizrate and Nextag and they NEVER had what I was looking for. Ever. In fact, I hate those damn sites. But YOU are a whole other story all together. I love you, I love you, I love you. And I'm going to tell everyone I know to check you out. I'm quite sure that they will become loyal followers as well. I can't thank you enough for your site. I enjoy every minute of it :0)

Challenges and Recent Developments at Like.com

Baris Sumengen Like.com

Plan

- What has been going on at Like.com
- Visual search tech and shopping synergy
- Business aspects and challenges
- Likesense new CBIR driven contextual advertising framework.

Company Timeline

- \$50M funding in 3 rounds
- Company Founded in August 2004
 - Started hiring in January 2005
- Riya.com launched April 2006
 - Face detection and recognition to organize personal photo libraries
- Face Similarity August 2006
 - Internal, did not launch publicly
- Like.com launched November 2006
 - Visual product search
- Likesense June 2009
 - Contextual advertising platform for image views on social networks

Baris Sumengen

- Riya days
 - Clothing detection and similarity for improving face detection
- Like.com
 - Product manager for the development of visual search (Jan 2006 Aug 2007)
 - Product manager for user behavior analysis (Sep 2007 Mar 2008)
 - Currently leading the Search Engine Marketing team (Mar 2008 - present)

Like.com

LIKE.COM

Like.com is Visual Search

Like.com is a visual search engine that allows shoppers to find apparel, shoes, and accessories based on their actual appearance.



Vision: To build the best soft goods shopping search engine

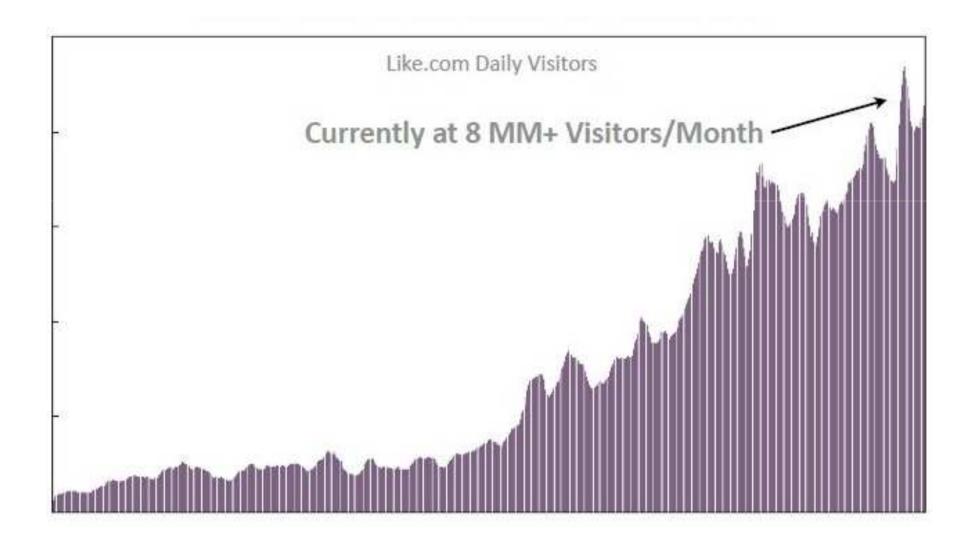
Proprietary visual search technology (color, shape, texture)



8MM+ monthly visitors focused in apparel, shoes and accessories

Revenues for 2009 > \$15MM from \$1MM in 2007

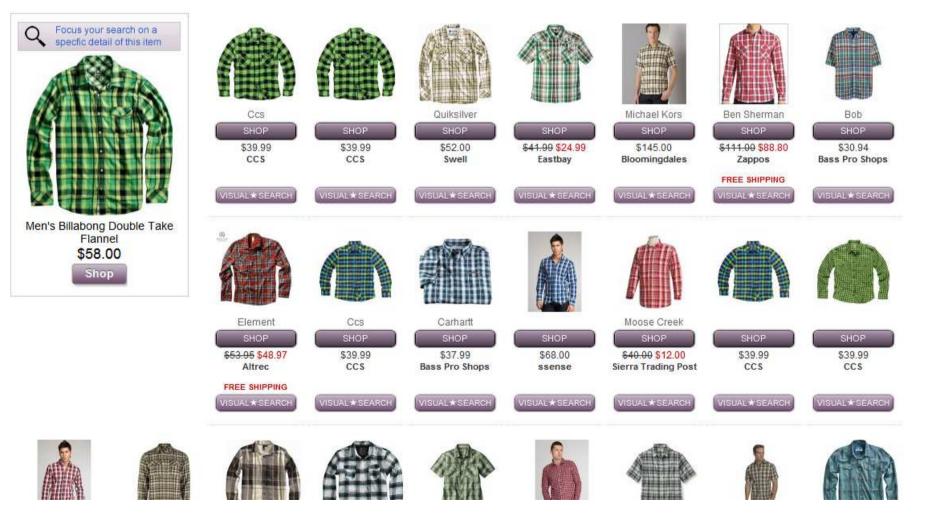
Growth Pattern



Live Demo

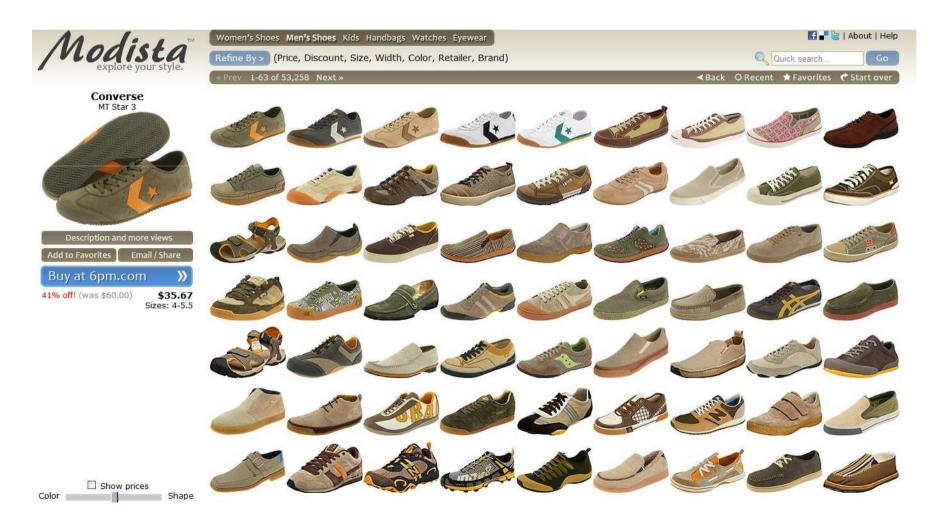


Live Demo



Competition

Modista



User Experience, User Behavior

- Visitext: Integrating visual search into text search
 - Color/pattern cues to text conversion
 - Learning styles from visual cues (boots, sandals, vneck, etc.)
- Cross category visual match
- Simplified the user interface over time
- A/B testing and user studies
 - Intuition does not always overlap with the experiments

Business Aspects

- Patents
- Traditional business
 - Generating traffic
 - Generating revenues
 - Generating contribution
 - Breaking even and profitability

Patent Overview

	Patent No	<u>Status</u>	Concepts Covered
	7,542,610	GRANTED	 Image similarity concept with application to merchandise images Using portion of an image to search for merchandise
	7,519,200	GRANTED	 Probabilistic face recognition system Use of Clothing, Time, Location, Tags to enhance recognition information
e BATENT RENUTSO	20080080745 20080212899 20060251292 20060251338 20060253491	IN REVIEW	 Improved search capability for fast and accurate similarity matching 'Out-Of-Stock' Widget based on Similarity Use of manual enrichment for segmentation Displaying advertisement for baby/product

8 More Patent applications in the review pipeline

Generating Traffic

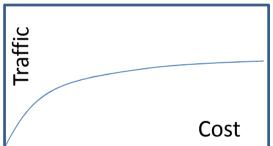
- Free traffic (less predictable)
 - Direct/Viral traffic
 - Organic search engine traffic (SEO)
- Paid traffic (more predictable)
 - Search engine marketing (SEM)
 - Email marketing
 - Banner advertising

Generating Revenues

- Landing page optimization
 => increases revenue per visitor (RPV)
- Banner advertising/Email marketing
 - Landing on a visual search page increases RPV
- Search engine marketing bid on keyword searches
 - Visitext enables better keyword landing pages.

Generating Contribution

- Find traffic where cost is less than revenues
 - Predict the revenue per visitor on a specific landing page.
 - Predict and learn cost vs. traffic graph for each banner, keyword we bid on



– Optimize for maximum revenue and contribution

DILEMMA

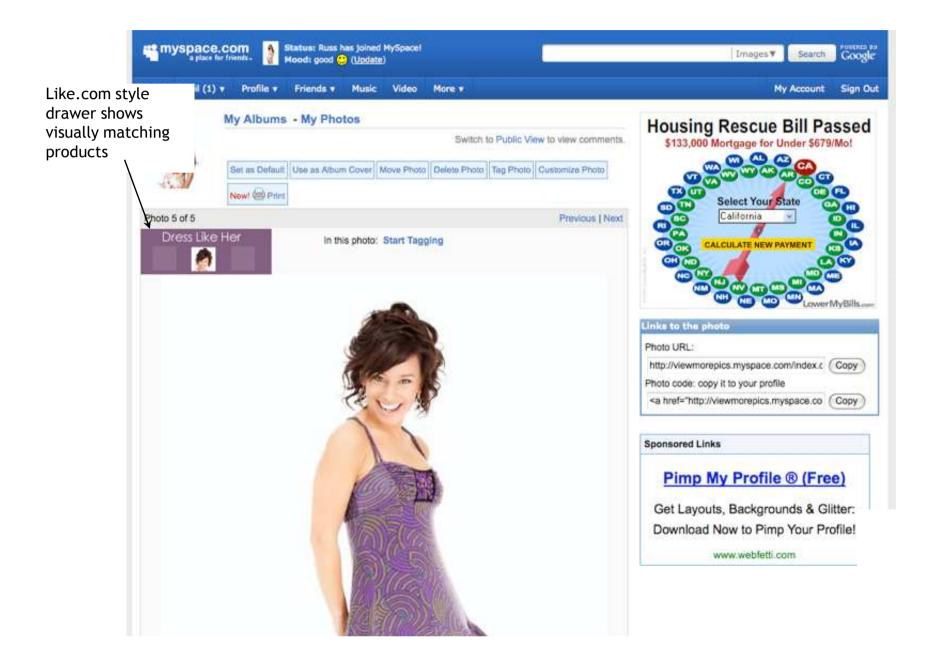




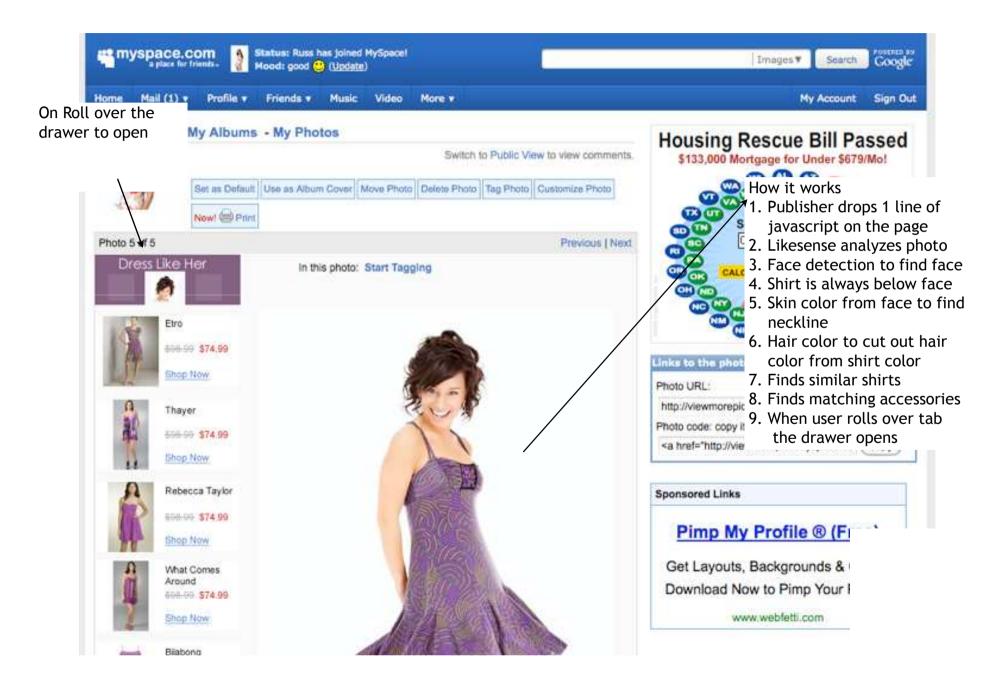
Likesense

LIKESENSE

End User Experience Step 1



LikeSense Scans Images & Presents Relevant Products



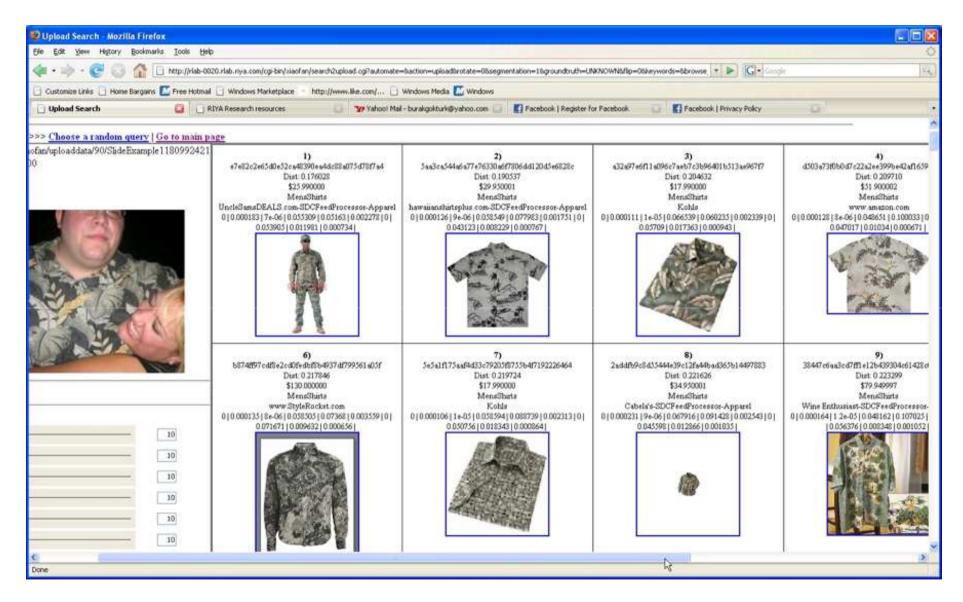
End User Experience with Accessorize



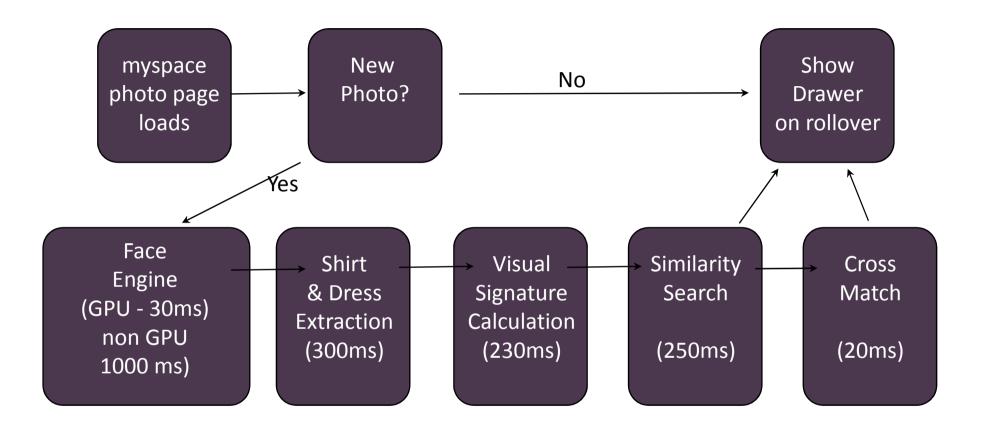
End User Experience with Celeb Fun Match



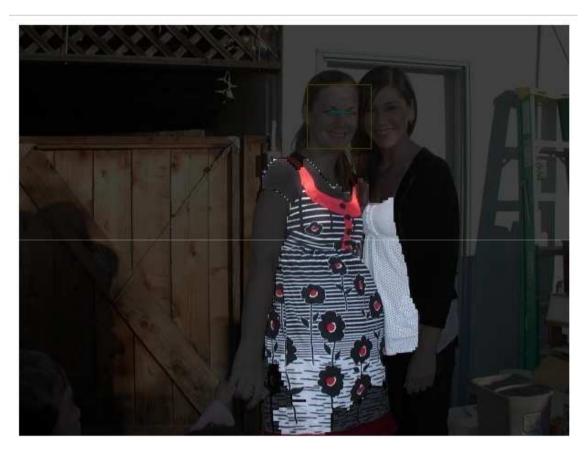
Likesense Example



Architecture



Face detection and Segmentation



• A challenging example where segmentation is able to get the dress mostly.

Live Demo for Likesense

Questions?

baris@like.com