

Social Computing

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Definition



- Social Computing
 - Studying social behaviors in online contexts
- Social Media
 - Enabling anyone to publish and access information, collaborate on a common effort, or build relationships
- Social Network
 - Analyzing the structure of whole social entities and explaining the patterns observed in these structures

Course at Different Schools



Harvard (EECS)

 Game theory; prediction markets; social choice; peer production; human computation; reputation system; script system, etc.

Berkeley (iSchool)

Web data mining, analytics, information retrieval; ranking, recommender;
 human computation; social networks; social marketing; security/privacy, etc.

Princeton (CS)

 Ethics; clickstreams and digital traces; experiments; mobile phones and wearable sensors; text as data; crowdsourcing, citizen science, etc.

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Social Computing @ HCI



- Social relationship
- Social behavior
- Social context
- Social norms



http://www.elcomcms.com/en-au/Resources/Elcom-Blog/Posts/the-role-of-social-media-in-intranet-strategy

Facebook



Social capital

Favors from facebook friends: unpacking dimensions of social capital (CHI13)

Social tie

Growing closer on facebook: changes in tie strength through social network site use (CHI14)

Social support

Disclosure, Stress, and Support During Gender Transition on Facebook (CSCW15)

Interaction

- Changes in use and perception of facebook (CSCW08)
- What do people ask their social networks, and why?: a survey study of status message q&a behavior (CHI10)
- Facebook makes the heart grow fonder: relationship maintenance strategies (CSCW15)

Emotion

Social Sharing of Emotions on Facebook: Channel Differences, Satisfaction, and Replies (CSCW15)

• ...

Experimental evidence of massive-scale emotional contagion through social networks

Adam D. I. Kramer^{a,1}, Jamie E. Guillory^{b,2}, and Jeffrey T. Hancock^{b,c}

Author Affiliations \$

Edited by Susan T. Fiske, Princeton University, Princeton, NJ, and approved March 25, 2014 (received for review October 23, 2013)

A correction has been published

A correction has been published

Abstract Full Text Authors & Info Figures Metrics Related Content PDF

Significance

We show, via a massive (N = 689,003) experiment on Facebook, that emotional states can be transferred to others via emotional contagion, leading people to experience the same emotions without their awareness. We provide experimental evidence that emotional contagion occurs without direct interaction between people (exposure to a friend expressing an emotion is sufficient), and in the complete absence of nonverbal cues.



http://www.theatlantic.com/technology/archive/2014/06/everything-we-know-about-facebooks-secret-mood-manipulation-experiment/373648/

Kramer, Adam DI, Jamie E. Guillory, and Jeffrey T. Hancock. "Experimental evidence of massive-scale emotional contagion through social networks." *Proceedings of the National Academy of Sciences* 111, no. 24 (2014): 8788-8790.

Twitter



Relationship

A longitudinal study of follow predictors on twitter (CHI13)

Profile

Tweets from Justin Bieber's heart: the dynamics of the location field in user profiles (CHI11)

Topic

Deep Twitter diving: exploring topical groups in microblogs at scale (CSCW14)

Usage

- @BabySteps: design and evaluation of a system for using twitter for tracking children's developmental milestones (CHI14)
- Hybrid media consumption: how tweeting during a televised political debate influences the vote decision (CSCW14)

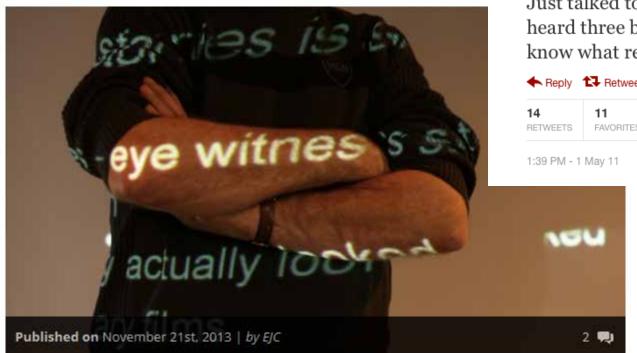
Emotion

 "i read my Twitter the next morning and was astonished": a conversational perspective on Twitter regrets (CHI13)

• ...







Just talked to family in Abbottabad, say they heard three blasts one after another, don't know what really happened.



http://emergencyjournalism.net/automatically-identifying-eyewitness-reporters-ontwitter-during-disasters/

Automatically Identifying Eyewitness Reporters On Twitter During Disasters

Like 15 Tweet 17 Pinit Share 10

Yang, Jiang, Scott Counts, Meredith Ringel Morris, and Aaron Hoff. "Microblog credibility perceptions: comparing the USA and China." In Proceedings of the 2013 conference on Computer supported cooperative work, pp. 575-586. ACM, 2013.

London G20 Protest



Paul Lewis





Who should be responsible for Mr. Ian Tomlinson's tragedy?





Wikipedia



Coordination

Harnessing the wisdom of crowds in wikipedia: quality through coordination (CSCW08)

Assignment

Coordinating tasks on the commons: designing for personal goals, expertise and serendipity (CHI09)

Motivation

- Keeping eyes on the prize: officially sanctioned rule breaking in mass collaboration systems (CSCW13)
- Motivating crowds using social facilitation and social transparency (CSCW13)

Diversity

 The effects of diversity on group productivity and member withdrawal in online volunteer groups (CHI10)

Leadership

Identifying shared leadership in Wikipedia (CHI11)

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Tools

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Related changes
Upload file
Special pages
Permanent link
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Wikidata item

Cite this page

Bill Buxton

Article Talk

From Wikipedia, the free encyclopedia

William Arthur Stewart "Bill" Buxton (born March 10, 1949) is a Canadian computer scientist and designer. He is currently a principal researcher at Microsoft Research. He is known for being one of the pioneers in the human—computer interaction field.

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- 2 Notable honors and awards
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Background and contributions [edit]

Bill Buxton received his bachelor's degree in music from Queen's University in 1973 and his master's degree in computer science from the University of Toronto in 1978.^[1]

Bill Buxton's scientific contributions include applying Fitts' law to human-computer interaction and the invention and analysis of the marking menu (together with Gordon Kurtenbach). He pioneered multi-touch interfaces and music composition tools in the late 1970s, while working in the Dynamics Graphics Project at the University of Toronto. Recently, he is also known for his book *Sketching User Experiences: Getting the Design Right and the Right Design* (Morgan Kaufmann, 2007).

Bill Buxton is a regular columnist at BusinessWeek. Before joining Microsoft Research he was chief scientist at Alias Wavefront and

William Arthur Stewart Buxton Bill Buxton with a Microwriter chord input device. Born March 10, 1949 (age 66) Edmonton, Alberta, Canada Residence Canada Citizenship Canada Nationality Canadian **Fields** Computer Science and Design Utrecht University Institutions University of Toronto Ontario College of Art & Design

https://en.wikipedia.org/wiki/Wikipedia:Article_Feedback_Tool

YouTube



Content

Does content determine information popularity in social media?: a case study of youtube videos' content and their popularity (CHI14)

Category

Knowing funny: genre perception and categorization in social video sharing (CHI11)

Label

Learnersourcing: Subgoal Labels for How-to Videos (CSCW15)

Comment

 How useful are your comments?: analyzing and predicting youtube comments and comment ratings (WWW10);

Collaboration

Margaret Gould Stewart, YouTube. Connecting the world through video (CHI12 Keynote)

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THE JOHNNY CASH PROJECT

Explore v Cont

THE JOHNNY CASH PROJECT

A UNIQUE Through this interactive A LIVING MAN

COMMUNAL website, perticipants may WORK, craw their own portrait of Johnny Cash to be integrated Into a collective whole. As people all over the world contribute, the project will continue to evolve and grow, BLACK one trame at a time.











WATCH THE VIDEO

CONTRIBUTE

WATCH THE DOC

www.thejohnnycashproject.com/



Online Dating Sites



Community

Understanding the Role of Community in Online Dating (CHI15)

Online / Offline Activity

- De-virtualizing social events: understanding the gap between online and offline participation for event invitations (CSCW14)
- Enhancing Evaluation of Potential Dates Online Through Paired Collaborative Activities (CSCW15)

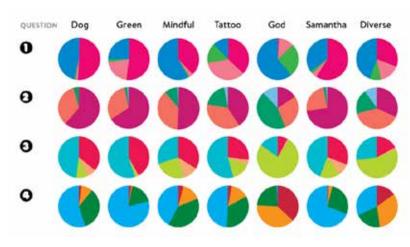
Information Presentation

- Perceptions of trustworthiness online: the role of visual and textual information book (CSCW10)
- My Dating Site Thinks I'm a Loser: effects of personal photos and presentation intervals on perceptions of recommender systems (CHI09)

Deception

- Reading between the lines: linguistic cues to deception in online dating profiles (CSCW10)
- The truth about lying in online dating profiles (CHI07);

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Recommendation for Happiness

by Yan Mu (Co-founder & Chief Happiness Officer, Baihe.com, China)

Baihe (meaning Lily flowers, a pun for *happiness forever* in Chinese) is one of the largest online dating companies in the world (see www.baihe.com). Each

day, we help millions of Chinese and international customers find their loved ones. An associated regular and popular television dating show, known as *Take Me Out* (fcwr.jstv.com), is watched by over 50 million TV watchers each time. With such immense popularity, we also feel the weight of full responsibility. In this talk, I will discuss the technical challenges associated with online and mobile reciprocal recommendation technologies underlying the service. I will discuss the issues of user modeling, search and ranking, as well as trust and user privacy in our total solution system. We hope to inspire researchers in inventing new algorithms to serve our users better, and increase the happiness of our ever-growing user base.

ABOUT THE SPEAKER

Yan Mu is the Co-founder & Chief Happiness Officer at Baihe.com, one of the largest online matchmaking sites in China. He specializes in managing the business strategy, marketing, product design, and overseeing software development. Prior to Baihe.com, he was the co-founder and president of United Info, then No.1 hotel network service provider in Beijing local market. Yan got his B.E. and Master's degrees from Computer Science in Tsinghua University in 1996 and 1999, respectively.

http://recsys.acm.org/recsys13/keynotes/#content-tab-1-2-tab

http://www.wired.com/2014/01/how-to-hack-okcupid/ 3.5 million users

http://www.nbcnews.com/tech/internet/how-people-are-juicing-their-online-dating-profiles-n26801



80 million users

Algorithm for Love





Two Love Hackers





Chris McKinlay, Math PhD@UCLA



Amy Webb, Digital strategist

It takes 2.5 years for Webb to marry her ideal candidate. And for Chris, he has dated 55 times before he met his girl friend.

Online Review Sites



Value

Understanding Online Reviews: Funny, Cool or Useful? (CSCW15)

Quality

Analyzing the quality of information solicited from targeted strangers on social media (CSCW13)

Reputation

 Necessary, unpleasant, and disempowering: reputation management in the internet age (CSCW15)

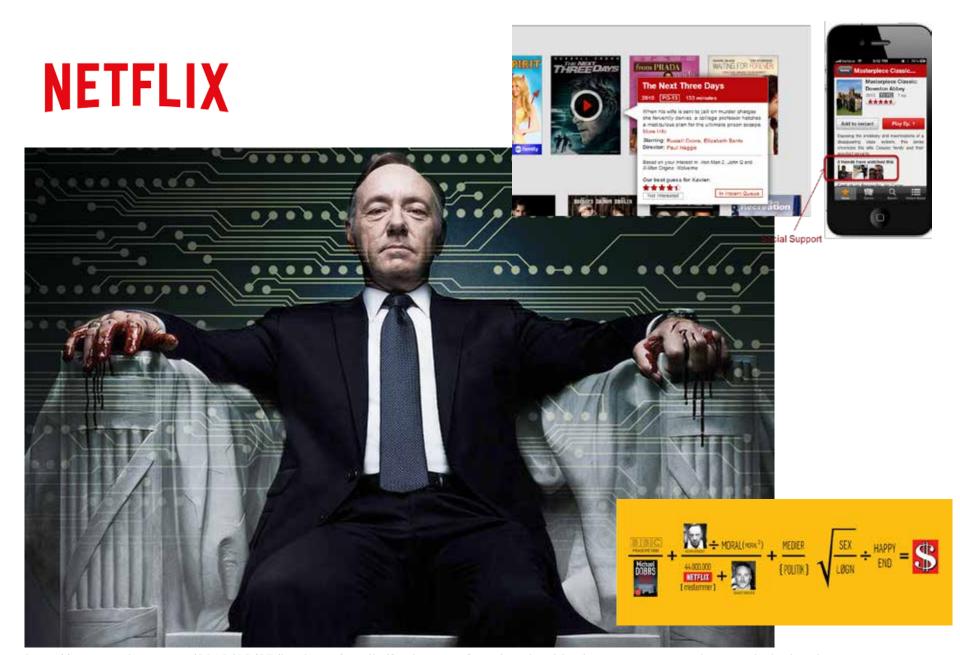
Transparency

The Perverse Effects of Social Transparency on Online Advice Taking (CSCW15)

Recommendation

Demographics, weather and online reviews: a study of restaurant recommendations (WWW14)

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http://www.nytimes.com/2013/02/25/business/media/for-house-of-cards-using-big-data-to-guarantee-its-popularity.html

Online QA Sites



Design

Design lessons from the fastest q&a site in the west (CHI11)

Market / Business Model

- mimir: a market-based real-time question and answer service (CHI10)
- Is It Good to Be Like Wikipedia?: Exploring the Trade-offs of Introducing Collaborative Editing Model to Q&A Sites (CSCW15)

Facilitation

- Facilitating students' collaboration and learning in a question and answer system (CSCW13)
- Towards crowd-based customer service: a mixed-initiative tool for managing Q&A sites (CHI14)

Interaction

- Redesign as an act of violence: disrupted interaction patterns and the fragmenting of a social Q&A community (CHI11);
- To answer or not: what non-qa social activities can tell (CSCW13)

Contributor

Contributor profiles, their dynamics, and their importance in five q&a sites (CSCW13)

• ...

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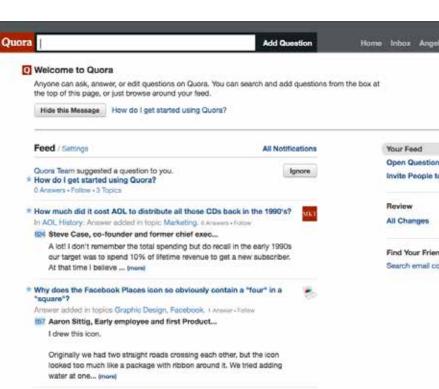


It is interesting to see my past rewritten in a way that emphasizes things that

didn't matter (like the Winklevosses, who I've still never even met and had no part

in the work we did to create the site over the past 6 years) and leaves out things

that really did (like the many other people in our lives at the time, who supported



How does Gilt's business model work?

In Gift Groupe: Answer added in topic Social Media Marketing, 1 Answer - Fotow

have... (more)

I have worked with Gilt several times as a vendor. Here is their business model: They have excellent buyers - they find the best brands with great product. Once you

731 Matthew Carroll, Building fashion & footwear bran...

Open Questions Invite People to Quora Find Your Friends on Quora Grail Search email contacts for friends

Facebook movie?. 3 Comments

Dustin Moskovitz, Co-Founder of Facebook 424 votes by Chris Putnam, Tracy Chou, Michael Wolfa, (more)

1 Answer

http://www.theguardian.com/technology/201 1/jan/05/quora-question-answer-facebook

Other than that lit's just gool to see a dramatization of



www.quora.com



4 Answers



You're not doing anything wrong, that's just how Codelgniter w



This function returns the query result as an array of objects, c

So the information you are looking for is contained in an object

thest

mod | link | edit | delete | flag

edited yesterday
Sam Saffro

Sam Saffron ♦

add comment

A few n

A few hidden features I've come across:



- stackalloc which lets you allocate arrays on the stack
- Anonymous methods with no explicit parameter list, which are implicitly convertible to any delegate type with non-out/ref parameters (very handy for events, as noted in an earlier comment)
- A lot of people aren't aware of what events really are (an add/remove pair of methods, like get/set for properties); field-like events in C# really declare both a variable and an event
- The == and != operators can be overloaded to return types other than bool. Strange but true.
- The query expression translation in C# 3 is really "simple" in some ways which means you can get it to do some very odd things.
- Nullable types have special boxing behaviour: a null value gets boxed to a null reference, and you
 can unbox from null to the nullable type too.

link

answered Sep 26 '08 at 15:28

community wiki Jon Skeet

Thanks Jon, this is pretty crazy list:) – Joan Venge Mar 2 '09 at 20:46

wouldn't mind a little elaboration on this post1 – Alex Baranosky Aug 12 '09 at 14:55

@GordonG: Which bit of it? – Jon Skeet Aug 12 '09 at 14:58

Unfortunately, stackalloc requires unsafe context. – RickNZ Dec 19 '09 at 4:46

30 Yes, this post was useful. – Anonymous user Jul 25 '11 at 6:30

Was this post useful to you? Yes No

answered Jun 14 at 2:09





It is still a query so you still have to process the result, try changing your model to this...



```
function Dues_Paid_Tot($date)
{
    $query = $this->db->select_sum('Dues_Paid', 'Dues_Paid_Tot');
    $query = $this->db->get('Membership');
    $result = $query->result();

    return $result[0];
}
```

Online Communities



- Member, e.g. MOOCs
 - Understanding Student Motivation, Behaviors and Perceptions in MOOCs (CSCW15)
 - The impact of membership overlap on the survival of online communities (CHI14)
- Social transparency, e.g. GitHub
 - Social transparency in networked information exchange: a theoretical framework (CSCW12)
- Shared understanding, e.g. copyright in design
 - Understanding Copyright Law in Online Creative Communities (CSCW15)
- Guanxi, e.g. in China
 - Virtual gifts and guanxi: supporting social exchange in a chinese online community (CSCW11)
 - Simulating Marriage: Gender Roles and Emerging Intimacy in an Online Game (CSCW15)
- Lifecycle, e.g. World of Warcraft
 - The life and death of online gaming communities: a look at guilds in world of warcraft (CHI07)

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- Model for Epidemic Research
 - Spread and control of infectious diseases
- Model for Terrorism Research
 - Society reaction and public policy

https://en.wikipedia.org/wiki/Corrupted_ Blood_incident

http://content.time.com/time/health/article/0,8599,1655109,00.html

Recap



- Social computing, media, network
- Social computing @ HCI
 - Social relationship
 - Social behavior
 - Social context
 - Social norms



Thank you J

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