

# JOSEPH 'JOFISH' KAYE, PH.D

Mountain View, CA 94041

jofish-at-jofish.com www.jofish.com/jofish-cv.pdf

**I use big data, qualitative research and exploratory design to direct innovation and strategic decisions by understanding user needs and practices.**

## PROFESSIONAL EXPERIENCE

- OCTOBER 2012-  
PRESENT **Principal Research Scientist, Yahoo, Sunnyvale, CA.**  
April 2016-Present. Membership team.
- Senior Research Scientist, Yahoo Labs, Sunnyvale, CA.**  
October 2012-March 2016. HCI Group; Flickr.  
Close partnerships with business groups working on both mission-critical and longer-term research projects. Used big data (Hive, Splunk), qualitative methods, and strategic approaches. Publicly visible work includes:
- Studied user attitudes to identity authentication and verification, including 2nd factor authentication and activity-driven challenges.
  - Data Narratives: explorations of practices and concerns around individual data sharing and safeguarding. (paper: [Data Narratives](#))
  - Used surveys and big data to characterize personal image search practices and introduced changes to Flickr search code to improve experience (paper: [32 Days of Christmas](#))
  - Flickr: Studies of practices around photography and data sharing, tablet use (paper: [Tablet Photography](#))
  - Studies of personalized news and television (paper: [MyChannel](#))
  - Studied adblocking practices in US/Chinese populations (in press)
  - Used log data to show one particular ad had a -6% impact on retention and ad clicking; showed similar effect on other animated ads; demonstrated financial implications (in the \$Ms) for front page display ad pricing (in press)
  - Redesign of help pages. Fieldwork with phone support operators. Demonstrated \$xx000 monthly savings. Created Splunk dashboard of usage to improve company-wide downtime responses. ([help.yahoo.com](#))
  - Multiple patents and patents pending
- SPRING 2014-  
MAY 2016 **General Chair, CHI 2016 Computer-Human Interaction Conference, San Jose, CA**  
Co-chaired the major industry/academic HCI conference. 3800+ attendees.
- Managed a ~\$3M budget, 11+ paid staff, 114 organizing chairs, 222 Associate Paper Chairs, 100 Late-breaking Work Chairs, 546 sessions, 4000+ reviewers,
  - Organized high quality and diverse keynote speakers: Dayo Olopade, Kimberly Bryant, Sarah Guthals, Marissa Mayer, Terry Winograd, Alan Kay, Vishal Sikka and Salman Khan.
  - Made over 200 changes, including adding childcare, gender-neutral bathrooms, venture capitalist office hours, telepresence robots, streaming video.
- JANUARY 2012-  
PRESENT **Consulting Assistant Professor/Visiting Lecturer, Stanford University, Stanford, CA**  
[HCI Design Studio CS.247. Computer Science.](#) Cotaught with John Tang (2014); Michael Bernstein, Katrina Alcorn, Jeremy Lyon, Julie Stanford, John Tang, Helena Roeber (2015). Intermediate HCI class.  
[Designing Liberation Technologies.](#)(2012, 2013) d.School. Co-taught with Terry Winograd, Joshua Cohen, and Zia Yusef. Iterative design and prototyping for Nairobi slum dwellers. Also coached Intro to HCI (2010-2012), Cross Cultural Design (2011)
- JANUARY 2009-  
SEPTEMBER **Senior Research Scientist & Ethnographer, Nokia Research Center, Palo Alto, CA**  
Innovation Design Experience Animation (IDEA) Group. I studied the use of mobile

- 2012 phones and other mobile technologies. Publicly visible work includes:
- Studied lead iPad users. Themes include comfortable commuting, communal computing, and curation as creativity.
  - Studied videochat and communication technology use by families in the Bay Area, resulting in strategy change and launch of Sesame Street collaboration at StoryVisit.org.
  - Led development of a 2500+ Haitian household NFC-based clean water system.
  - Created and led the 3-year, 7-person development of Nokia Internet Pulse, nip.nokia.com, a mobile and wall-display Twitter visualization system, used at Nokia and Sesame Street to understand social media discussion of the company.
  - Built genderizer.com; showed women computer scientists write more papers than men
  - Led a study of corporate implications of hackers' and tinkerers' innovation practices
  - Helped develop Lenses, a novel interface for cellphones
  - Collaborations with Stanford, UC Berkeley, UC San Diego, UVA, ITU Copenhagen, Cambridge, Northumbria, and Mobile Life. Helped craft successful funding proposals for projects at Cornell, Drexel, Stanford, UC Berkeley, Georgia Tech, and Columbia

JULY 2006- **Visiting Researcher, Microsoft Research Cambridge, UK.**  
DECEMBER 2006 Computer Mediated Living Group. Projects: Whereabouts Clock, Ambient Ink, etc.

SUMMER 2005 **Intern, Intel Corporation, Portland, OR.**  
Domestic Design & Technology Research with Genevieve Bell. Bibliography of smart home research.

## EDUCATION

AUGUST 2003- **Ph.D, Information Science, Cornell University, Ithaca, NY**  
OCTOBER 2008 Dissertation: The Epistemology and Evaluation of Experience-focused HCI  
Committee: Phoebe Sengers, Jeff Hancock, Michael Lynch and Kristina Höök  
Projects: Intimate Objects, Home Health Horoscopes, Academics' Archiving Practices

SEPTEMBER **M.S. Media Arts & Sciences, MIT Media Lab, Cambridge, MA**  
1999- Thesis: Symbolic Olfactory Display

JUNE 2001 Committee: Michael Hawley, Hiroshi Ishii, Marc Canter, Peter Brown  
Research: Olfactory information display; digital home and kitchen technologies.

FALL 2000 **Resident Researcher, Media Lab Europe, Dublin.**

AUGUST 1995- **B.S. Brain and Cognitive Sciences, MIT, Cambridge, MA**

JANUARY 1999 Research: Smart kitchens, coffee machines.. Advisors: Steven Pinker, Michael Hawley  
**Primary and secondary school education:** London, Paris, Singapore & Tokyo.

## PUBLICATIONS

Google Scholar calculates that my work has been cited 2218 times and my h-index is 21; the ACM states my papers have been downloaded over 4300 times in the last 12 months and cumulatively over 33,000 times. In addition to serving as a contribution to the scientific commons, they also provide a mechanism for me to talk publicly about the work I've done that would otherwise be covered by an NDA.

## ARCHIVAL FULL PAPERS AND SHORT PAPERS

*These are fully peer-reviewed articles, comparable to journal articles in other disciplines, and represent significant production of knowledge.*

The Design, Perception, and Practice of Tablet Photography

Cati Boulanger, Saeideh Bakhshi, Joseph "Jofish" Kaye, David A. Shamma

DIS '16 Proceedings of the 2016 ACM Conference on Designing Interactive Systems, 2016

The 32 Days of Christmas: Understanding Temporal Intent in Image Search Queries

Frank R. Bentley, Joseph 'Jofish' Kaye, David A. Shamma, John Alexis Guerra-Gomez

CHI '16 Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems, 2016

Snap Decisions?: How Users, Content, and Aesthetics Interact to Shape Photo Sharing Behaviors

Sanjay Kairam, Joseph 'Jofish' Kaye, John Alexis Guerra-Gomez, David A. Shamma

CHI '16 Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems, 2016

Utilizing Employees as Usability Participants: Exploring When and When Not to Leverage Your Coworkers

Joanne Locascio, Rushil Khurana, Yan He, Jofish Kaye

CHI '16 Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems, 2016

Fast, Cheap, and Good: Why Animated GIFs Engage Us

Saeideh Bakhshi, David A. Shamma, Lyndon Kennedy, Yale Song, Paloma de Juan, Joseph 'Jofish' Kaye

CHI '16 Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems, 2016

Data Narratives: Uncovering tensions in personal data management

Janet Vertesi, Jofish Kaye, Samantha N. Jarosewski, Vera D. Khovanskaya, Jenna Song

CSCW '16 Proceedings of the 19th ACM Conference on Computer-Supported Cooperative Work & Social Computing, 2016

Friendship Maintenance in the Digital Age: Applying a Relational Lens to Online Social Interaction

Irina Shklovski, Louise Barkhuus, Nis Bornoe, Joseph 'Jofish' Kaye

CSCW '15 Proceedings of the 18th ACM Conference on Computer Supported Cooperative Work & Social Computing, 2015

MyChannel: exploring city-based multimedia news presentations on the living room TV

Frank Bentley, Karolina Buchner, Joseph 'Jofish' Kaye

TVX '14 Proceedings of the 2014 ACM international conference on Interactive experiences for TV and online video, 2014

Money talks: tracking personal finances

Joseph Jofish Kaye, Mary McCuiston, Rebecca Gulotta, David A. Shamma

CHI '14 Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2014

"Our life is the farm and farming is our life": home-work coordination in organic farm families

Gilly Leshed, Maria Håkansson, Joseph 'Jofish' Kaye

CSCW '14 Proceedings of the 17th ACM conference on Computer supported cooperative work & social computing, 2014

A gift from the city: mobile phones in rural China

Elisa Oreglia, Joseph 'Jofish' Kaye

CSCW '12 Proceedings of the ACM 2012 conference on Computer Supported Cooperative Work, 2012

Hello, is grandma there? let's read! StoryVisit: family video chat and connected e-books

Hayes Raffle, Glenda Revelle, Koichi Mori, Rafael Ballagas, Kyle Buza, Hiroshi Horii, Joseph Kaye, Kristin Cook, Natalie Freed, Janet Go, Mirjana Spasojevic

CHI '11 Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2011

Self-reported password sharing strategies

Joseph 'Jofish' Kaye

CHI '11 Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2011

Understanding technology choices and values through social class

Morgan G. Ames, Janet Go, Joseph 'Jofish' Kaye, Mirjana Spasojevic

CSCW '11 Proceedings of the ACM 2011 conference on Computer supported cooperative work, 2011

Addressing mobile information overload in the universal inbox through lenses

Timothy Sohn, Vidya Setlur, Koichi Mori, Joseph 'Jofish' Kaye, Horishi Horii, Agathe Battestini, Rafael Ballagas, Christopher Paretto, Mirjana Spasojevic

MobileHCI '10 Proceedings of the 12th international conference on Human computer interaction with

mobile devices and services, 2010

Family story play: reading with young children (and elmo) over a distance

Hayes Raffle, Rafael Ballagas, Glenda Revelle, Hiroshi Horii, Sean Follmer, Janet Go, Emily Reardon, Koichi Mori, Joseph Kaye, Mirjana Spasojevic

CHI '10 Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2010

Making love in the network closet: the benefits and work of family videochat

Morgan G. Ames, Janet Go, Joseph 'Jofish' Kaye, Mirjana Spasojevic

CSCW '10 Proceedings of the 2010 ACM conference on Computer supported cooperative work, 2010.

### **Best Paper Award**

Family communication: phone conversations with children

Rafael Ballagas, Joseph 'Jofish' Kaye, Morgan Ames, Janet Go, Hayes Raffle

IDC '09 Proceedings of the 8th International Conference on Interaction Design and Children, 2009

Pottering by design

Alex S. Taylor, Susan P. Wyche, Joseph 'Jofish' Kaye

NordiCHI '08 Proceedings of the 5th Nordic conference on Human-computer interaction: building bridges, 2008

Locating Family Values: A Field Trial of the Whereabouts Clock.

Brown, B. A. T., Taylor, A. S., Izadi, S., Sellen, A., Kaye, J. 'J.', Eardley, R.: Full Paper, Proc. Ubicomp 2007: 354-371.

### **Nominated for Best Paper**

Enhancing ubiquitous computing with user interpretation: field testing the home health horoscope

William Gaver, Phoebe Sengers, Tobie Kerridge, Joseph Kaye, John Bowers

CHI '07 Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2007

To have and to hold: exploring the personal archive

Joseph 'Jofish' Kaye, Janet Vertesi, Shari Avery, Allan Dafoe, Shay David, Lisa Onaga, Ivan Rosero, Trevor Pinch

CHI '06 Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2006

Reflective design

Phoebe Sengers, Kirsten Boehner, Shay David, Joseph 'Jofish' Kaye

CC '05 Proceedings of the 4th decennial conference on Critical computing: between sense and sensibility, 2005

## **JOURNAL PAPERS**

Gender and computing conference papers

J. McGrath Cohoon, Sergey Nigai, Joseph "Jofish" Kaye

Communications of the ACM, 2011

Designing Technologies for Domestic Spaces: A Future Kitchen Manifesto

Genevieve Bell, Joseph "Jofish" Kaye

Gastronomica 2(2) May 2002 p46-62

Context as Output

Beatrice Witzgall, Joseph "Jofish" Kaye

MIT Student Journal of Planning 2, Spring 2001.

## **MAGAZINE AND NON-REFERREED ARTICLES**

Structure and Dynamics of Coauthorship, Citation, and Impact within CSCW

Brian Keegan, Dan Horn, Thomas A. Finholt, Joseph "Jofish" Kaye. arXiv. 2013.

Minority retort

Joseph "Jofish" Kaye

interactions, 2011

StoryTime for the 21st Century

Rafael 'Tico' Ballagas, Hayes Raffle, Janet Go, Glenda Revelle, Joseph 'Jofish' Kaye, Morgan Ames,

Hiroshi Horii, Koichi Mori, Mirjana Spasojevic  
IEEE Pervasive Computing 9, 3 (July 2010), 28-36.

Horoscopes: Valuing the Irrational

Joseph "Jofish" Kaye  
Ambidextrous Magazine 2(1) Spring 2007

Making Scents: aromatic output for HCI

Joseph "Jofish" Kaye  
interactions - Making scents: aromatic output for HCI, 2004

Culturally Embedded Computing

Phoebe Sengers, Joseph 'Jofish' Kaye, Kirsten Boehner, Jeremy Fairbank, Geri Gay, Yevgeniy 'Eugene'  
Medynskiy and Susan Wyche.  
Pervasive Computing, 3(1) 2004.

Computer Controlled Scent Output

Joseph 'Jofish' Kaye  
*Perfumer and Flavorist*, Nov/Dec 2003

Mr. Java

Joseph 'Jofish' Kaye and Niko Matsakis  
IEEE Computer Graphics & Applications May 2000

## **CASE STUDIES, POSTERS & ALTERNATIVE FORUMS**

*These are typically smaller-scale contributions than full conference papers, often representing new research explorations or focusing on a particular implementation of an idea.*

Creativity in a Comfortable, Communal and Curating World

Joseph 'Jofish' Kaye, Rachel Hinman and Tico Ballagas.  
Proceedings of the Human Computer Interaction Consortium (HCIC), Summer 2012.

Sawtooth planar waves for haptic feedback

Joseph 'Jofish' Kaye  
UIST Adjunct Proceedings '12 Adjunct proceedings of the 25th annual ACM symposium on User interface software and technology, 2012

Safe mathare: a mobile system for women's safe commutes in the slums

Margaret Hagan, Nan Zhang, Joseph 'Jofish' Kaye  
MobileHCI '12 Proceedings of the 14th international conference on Human-computer interaction with mobile devices and services companion, 2012. Poster.

Using NFC phones to track water purification in Haiti

Joseph 'Jofish' Kaye, David Holstius, Edmund Seto, Brittany Eddy, Michael Ritter  
CHI EA '12 CHI '12 Extended Abstracts on Human Factors in Computing Systems, 2012

Nokia internet pulse: a long term deployment and iteration of a twitter visualization

Joseph 'Jofish' Kaye, Anita Lillie, Deepak Jagdish, James Walkup, Rita Parada, Koichi Mori  
CHI EA '12 CHI '12 Extended Abstracts on Human Factors in Computing Systems, 2012

Massively distributed authorship of academic papers

Bill Tomlinson, Joel Ross, Paul Andre, Eric Baumer, Donald Patterson, Joseph Corneli, Martin Mahaux, Syavash Nobarany, Marco Lazzari, Birgit Penzenstadler, Andrew Torrance, David Callele, Gary Olson, Six Silberman, Marcus Stünder, Fabio Romancini Palamedi, Albert Ali Salah, Eric Morrill, Xavier Franch, Florian Floyd Mueller, Joseph 'Jofish' Kaye, Rebecca W. Black, Marisa L. Cohn, Patrick C. Shih, Johanna Brewer, Nitesh Goyal, Pirjo Näkki, Jeff Huang, Nilufar Baghaei, Craig Saper  
CHI EA '12 CHI '12 Extended Abstracts on Human Factors in Computing Systems, 2012

Inventive leisure practices: understanding hacking communities as sites of sharing and innovation

Tricia Wang, Joseph 'Jofish' Kaye  
CHI EA '11 CHI '11 Extended Abstracts on Human Factors in Computing Systems, 2011

Wireless monitoring of a distributed environmental health intervention in Haiti

David Holstius, Joseph "Jofish" Kaye, Edmund Seto

WH '10 Wireless Health 2010, 2010

Some statistical analyses of CHI

Joseph 'Jofish' Kaye

CHI EA '09 CHI '09 Extended Abstracts on Human Factors in Computing Systems, 2009

The Evolution of Evaluation

Joseph 'Jofish' Kaye, Phoebe Sengers

CHI '07 Proceedings of the SIGCHI Conference on Human Factors in Computing Systems, 2007

Evaluating experience-focused HCI

Joseph 'Jofish' Kaye, Kirsten Boehner, Jarmo Laaksohlahti, Anna Ståhl

CHI EA '07 CHI '07 Extended Abstracts on Human Factors in Computing Systems, 2007

Pottering: a design-oriented investigation

Susan P. Wyche, Alex Taylor, Joseph Kaye

CHI EA '07 CHI '07 Extended Abstracts on Human Factors in Computing Systems, 2007

Evaluating experience-focused HCI

Joseph 'Jofish' Kaye

CHI EA '07 CHI '07 Extended Abstracts on Human Factors in Computing Systems, 2007. Doctoral Consortium.

Eggs-ploring the influence of material properties on haptic experience

Lorna Brown, Joseph 'Jofish' Kaye

Ext. Abs. HAID'07. Poster.

Screensaver for Note-Review.

Shirley Gaw, Joseph 'Jofish' Kaye, Ken Wood.

European Conference on Computer Supported Cooperative Work ECSCW'07.

I just clicked to say I love you: rich evaluations of minimal communication

Joseph 'Jofish' Kaye

CHI EA '06 CHI '06 Extended Abstracts on Human Factors in Computing Systems, 2006

Understanding how bloggers feel: recognizing affect in blog posts

Gilly Leshed, Joseph 'Jofish' Kaye

CHI EA '06 CHI '06 Extended Abstracts on Human Factors in Computing Systems, 2006

Communicating intimacy one bit at a time

Joseph 'Jofish' Kaye, Mariah K. Levitt, Jeffrey Nevins, Jessica Golden, Vanessa Schmidt

CHI EA '05 CHI '05 Extended Abstracts on Human Factors in Computing Systems, 2005

Olfactory display

Joseph 'Jofish' Kaye

UIST '04 Proceedings of the 17th annual ACM symposium on User interface software and technology, 2004

Intimate objects

Joseph 'Jofish' Kaye, Liz Goulding

DIS '04 Proceedings of the 5th conference on Designing interactive systems: processes, practices, methods, and techniques, 2004

## **PANELS, WORKSHOPS & SIGS**

*Rather than research contributions, these contributions show my commitment to facilitating discussions, collaborations and growing research themes.*

Collaboration and Social Computing in Emerging Financial Services

David R. Millen, Claudio Pinhanez, Jofish Kaye, Silvia Cristina Sardela Bianchi, John Vines

CSCW'15 Companion Proceedings of the 18th ACM Conference Companion on Computer Supported Cooperative Work & Social Computing, 2015. Workshop.

#CHImoney: financial interactions, digital cash, capital exchange and mobile money

Jofish Kaye, Janet Vertesi, Jennifer Ferreira, Barry Brown, Mark Perry

CHI EA '14 CHI '14 Extended Abstracts on Human Factors in Computing Systems, 2014. Workshop.

### Designing technology for major life events

Michael Massimi, Svetlana Yarosh, Madeline E. Smith, Joseph Jofish Kaye

CHI EA '14 CHI '14 Extended Abstracts on Human Factors in Computing Systems, 2014. Workshop.

### The future of HCI publishing in journals and books

Joseph 'Jofish' Kaye, Beverley Ford, Dianne Murray, Doug Sery, Peter Thomas, Steve Whittaker, Shumin Zhai

CHI EA '13 CHI '13 Extended Abstracts on Human Factors in Computing Systems, 2013. Panel.

### Science vs. science: the complexities of interdisciplinary research

Clare J. Hooper, David Millard, Jill Fantauzzacoffin, Joseph 'Jofish' Kaye

CHI EA '13 CHI '13 Extended Abstracts on Human Factors in Computing Systems, 2013. SIG Meeting.

### Exploring the diversity of families: designing technologies for the contemporary family life

Konstantinos Kazakos, Elizabeth Bales, Carman Neustaedter, Svetlana Yarosh, Joseph 'Jofish' Kaye, David Kirk

CHI EA '13 CHI '13 Extended Abstracts on Human Factors in Computing Systems, 2013. Workshop.

### SIG: Work life balance in HCI

Anicia Peters, Susan Dray, Jofish Kaye

CHI EA '12 CHI '12 Extended Abstracts on Human Factors in Computing Systems, 2012. SIG Meeting.

### Mobile family interaction: how to use mobile technology to bring trust, safety and wellbeing into families

Jofish Kaye, Matti Nelimarkka, Riitta Kauppinen, Sini Vartiainen, Pekka Isosomppi

MobileHCI '11 Proceedings of the 13th International Conference on Human Computer Interaction with Mobile Devices and Services, 2011. Workshop.

### Designing for user experience: academia & industry

Joseph 'Jofish' Kaye, Elizabeth Buie, Jettie Hoonhout, Kristina Höök, Virpi Roto, Scott Jenson, Peter Wright

CHI EA '11 CHI '11 Extended Abstracts on Human Factors in Computing Systems, 2011

### Connecting families: new technologies, family communication, and the impact on domestic space

Carman Neustaedter, Tejinder K. Judge, Steve Harrison, Abigail Sellen, Xiang Cao, David Kirk, Joseph Kaye

GROUP '10 Proceedings of the 16th ACM international conference on Supporting group work, 2010. Workshop.

### Please enjoy!: workshop on playful experiences in mobile HCI

Ylva Fernaeus, Henriette Cramer, Hannu Korhonen, Jofish Kaye

MobileHCI '10 Proceedings of the 12th international conference on Human computer interaction with mobile devices and services, 2010. Workshop.

### Sexual interactions: why we should talk about sex in HCI

Johanna Brewer, Joseph 'Jofish' Kaye, Amanda Williams, Susan Wyche

CHI EA '06 CHI '06 Extended Abstracts on Human Factors in Computing Systems, 2006. Workshop.

### Holy Hanging Out: Exploring Spirituality and Religion in the Corporate Environment.

Joseph 'Jofish' Kaye and Genevieve Bell

EPIC 2005

## **BOOK CHAPTERS**

### The Financial Tour: Methods for Studying Sensitive Financial Questions

Joseph 'Jofish' Kaye

in T. Judge, C. Neustaedter, Eds. *Studying and Designing Technology for Domestic Life: Lessons from Home..* Springer.

### Reading, Laughing, and Connecting with Young Children.

Raphael Ballagas, Joseph 'Jofish' Kaye and Hayes Raffle

in C. Neustaedter, S. Harrison, A. Sellen, Eds. *Connecting Families: The Impact of New Communication Technologies on Domestic Life.* Springer.

### Love, Ritual and Videochat

Joseph 'Jofish' Kaye

in R. Harper, Ed. *The Connected Home: The Future of Domestic Life*, Springer.

Computer-controlled Smell Output

Joseph 'Jofish' Kaye

Chapter 36, *Fragrance for Personal Care*. Allured Publishing.

LEGOs

Joseph 'Jofish' Kaye

in *Falling for Science: Objects in Mind*. Sherry Turkle, Ed. MIT Press.

*Being Human: Human Computer Interaction in 2020*

Contributor

Richard Harper, Tom Rodden, Yvonne Rogers and Abi Sellen, Eds.

Supporting Family Awareness with the Whereabouts Clock

Barry Brown, Alex S. Taylor, Sharam Izadi, Abigail Sellen and Joseph 'Jofish' Kaye.

in *Awareness Systems*, P. Markopoulos and W. Mackay, Eds. Human-Computer Interaction Series, Springer.

## PROFESSIONAL SERVICE

**Conference Co-Chair**, CHI 2016

**Vice-President at Large**, ACM SIGCHI 2012-2015

**Editor**, Personal & Ubiquitous Computing 2012-present

**Co-Chair** (with G. Hayes, UC Irvine): CHI 2013 Panels

**Co-Chair** (with I. Schloviski, ICT Copenhagen): NordiCHI 2012 Workshops & Tutorials

**Local Program Chair**: MobileHCI 2012

**Co-Chair** (with A. Druin, U of Maryland): CHI 2012 Panels

**Co-Chair** (with K. Höök, Mobile Life): MobileHCI 2011 Doctoral Consortium

**Co-Chair** (with C. Satchell, U of Melbourne): CSCW 2011 Horizons

**Co-Chair** (with L. Barkhaus, U of Glasgow): alt.chi 2008.

**Program Committees include**: CSCW 2009-2012, MobileHCI 2011-12, CHI 2009-2010, OzCHI 2008, NordiCHI 2008-2010, DIS 2008-2010, Multimedia Visualization 2004, 2005.

**Conference Reviewing**: CHI, DIS, CSCW, Ubicomp, SIGGRAPH, UIST, DUX, IEEE VR, Pervasive, Multimedia Visualization (M2Vis)

**Peer Reviewing**: National Science Foundation, ToCHI, HCI, International Journal of Human-Computer Studies, International Journal of Technology and Human Interaction, IEEE Intelligent Systems, Social Psychology Quarterly

## TEACHING AND ADVISING

I believe teaching is an important part of a reflective research practice, and I continue to integrate it into my work as a industrial researcher. I teach with an emphasis on rapid prototyping, user-centered approaches, iterative design processes, group work and reflective design. I encourage learning from group projects for real-world clients, such as local farmers and community outreach projects. I taught Stanford's CS247 Human Computer Interaction Studio in 2014 (with John Tang, 80 students) and 2015 (with six collaborators, 120 students). I co-taught Designing Liberation Technology in 2013 and coached multiple classes in design and cross-cultural work, all at Stanford. I have also judged various final class presentations and Masters projects at both Stanford and Berkeley, and been on the committee for Ph.D and masters students at CCA, Simon Fraser University and the University of Cape Town.

WINTER 2015

### Stanford University

CS247 Human Computer Interaction Studio. With Michael Bernstein, John Tang, Julie Stanford, Helena Roeber, Jeremy Lyon, and Katrina Alcorn. 120 students. Visiting Lecturer.

SPRING 2014

## **Stanford University**

CS247 Human Computer Interaction Studio. With John Tang, Microsoft Research. 80 students. Visiting Lecturer.

SPRING 2012

## **Stanford University**

CS.379 Designing Liberation Technology. Consulting Assistant Professor.

SPRING 2008

## **Cornell University**

INFO/COMM.345 Intro to Human Computer Interaction. Head TA.

FALL 2007

INFO/CS.130 Intro to Web Design & Programming. Head TA.

SPRING 2007

INFO/CS.230 Intro Design & Programming for the Web. Joint Head TA.

SPRING 2006

STS.356 Computing Culture. Joint Head TA.

FALL 2005

INFO/CS.130 Intro to Web Design & Programming. Head Teaching TA.

JANUARY 2001

## **Massachusetts Institute of Technology**

Everything You Always Wanted To Know About Smell But Were Afraid To Ask, IAP Seminar

## **SELECTED MEDIA COVERAGE**

*This section is in dire need of updating.*

In Haiti, RFID Tracks Drinking Water. Claire Swedberg, RFID Journal, March 10, 2011

Aqua Plan: Could Cell Phones Help Aid Workers Ensure Haiti's Supply of Clean Drinking Water? Larry Greenemeier, ScientificAmerican.com, February 18, 2011

Love Tech Goes Long Distance. Andy Greenberg, Forbes.com, February 6, 2008

Computer to User - You Figure It Out. Gary H. Anthes, Compuworld, January 23, 2006

Kitchens of the Future. The Food Network, January 18, 2004

The Infinite Mind: Sense of Smell. National Public Radio, April 30, 2003

Will the Kitchen Please Shut Up! Richard Wolkomir, Smithsonian, September 1999

In an M.I.T. Lab, the Future Cooks. Wm. Hamilton, New York Times, February 18, 1999

## **INVITED TALKS**

*This section is in even more dire need of updating.*

Comfortable Computing, Communal Computing, Content Consumption and the Creativity of Curation & Collage, UW Bothell, Computing & Software Systems, 15 February 2012

Family Communication Studies, UC Irvine Friday Informatics Series, 13 March 2011 Understanding technology use in families, Interaction Design Group Seminar Series, University of Melbourne, 3 January 2011

Understanding technology use in families, Google UX Brownbag Seminar, 8 December 2010

Values in Home Videoconferencing, Beyond the Cell Phone Seminar, UC Berkeley, 10 November 2010

Making Family: Constructing Family Values through Videochat, CMU West, Research Seminar, 22 September 2009

Ways of Knowing and Judging, Design Futures Lecture Series, UC Berkeley School of Information, 29 April 2009

Epistemology for Design: Why 'how we know' matters, Interaction Design, California College of the Arts, 29 January 2009

Evolving Evaluation from Engineers to Experience, Stanford University Human-Computer Interaction Seminar, Stanford, CA. 22 April 2007.

Expanding the Scope: Pushing the Boundaries of HCI, CHI Mumbai, Mumbai, India. 19 March 2007.

Expanding the Scope: Pushing the Boundaries of HCI, Bangalore, India. 22 March 2007.

Towards Experience-focused HCI, Invited Talk, BostonCHI, MIT, Cambridge, MA, 16 March 2007.

The Evolution of Evaluation, Microsoft Research Cambridge, UK. 15 December 2006

The Evolution of Evaluation: Learning from History as a Step Towards the Evaluation of Third Wave HCI, University of Aarhus, Denmark. 29 November 2006

Steps Towards a History of Ethnomethodology in HCI and CSCW, Science & Technology Studies Unit, University of York, UK. 20 November 2006.

Evolution of Evaluation in HCI, York HCI Group Seminar, Department of Psychology, University of York, UK. 19 November 2006.

Evolving Evaluation from Engineers to Experience: What History can Teach us About Evaluation in HCI, GIST Seminar Series, University of Glasgow, UK. 16 November 2006.

Evaluation in HCI Looking at the evolution of an interdisciplinary field, Oxford e-Science Research Project, University of Oxford, UK. 15 November 2006.

How We Got To Where We Are Today: Understanding the History of Evaluation in HCI, Guest Seminar, IT Universitetet, Göteborg, Sweden, 6 October 2006.

Evaluation in Experience-Focused HCI: Exploring the Virtual Intimate Object, Future Applications Lab, Viktoria Institute, Göteborg, Sweden, 13 January 2006.

Intimate Objects, Invited Talk, Human Communication Technologies Laboratory, University of British Columbia, Vancouver, Canada. 6 January 2005 Olfactory Display, UIST 2004, Santa Fe, NM. 26 October 2004.

Future Kitchen Technologies, Campbell Soup Company, Camden, NJ, 1 October 2003 Symbolic Olfactory Display, Designing for the Senses, Smithsonian/Cooper-Hewitt & Rockefeller University, New York, NY, 3 May 2003

My Grandmother Could Cook A Pasta Dinner In Seven Minutes Or Less With No Wasted Steps, Smart Home Series, Intel Architecture Labs, Portland OR, 22 September 2001

Computerized Symbolic Olfactory Display, Xerox Parc, Stanford CA, 1 August 2001.

Future Technologies & Practices Impacting The Home, Information & The Urban Future, New York University, New York NY, 26 February 2001.

Kitchen Directions, Schott Glas, Mainz, Germany, 23 August 2000.

Forget About Technology, Bluetooth: Future of Wireless, ICM, Washington DC, 14 July 2000.

Technology for All, Access to Info Tech, Reykjavik, Iceland, 22 February 2000.

Technology in Future Kitchens, Design & Tech, Hafele, SF, CA, 23 September 1999.

## **SKILLS & ACTIVITIES**

**Technical skills:** Python, Splunk, Hive, prototyping analog & digital electronics, Unix, etc.

**Languages:** Rusty conversational French and even rustier intermediate Japanese.

**Theater:** Extensive performances, master-classes and directing of improv, actor-created & scripted theatre.

**MIT Mystery Hunt 2003 - The Matrix:** Joint creator of world's largest treasure hunt.

## **PERSONAL**

I am an enthusiastic supporter of local food and wine, brew a mean ale, and like to cook, dance, and host friends and family. My wife and I have become experts at extensive use of public transport while traveling so we don't have to bring car seats for our children.