

matthew jeremy shaver kay

mjskay@cs.washington.edu • mjskay.com • 312-623-2125

research interests

broadly—Designing/building/evaluating user interfaces and user interaction, with a focus on persuasive technology, personal informatics, and (at times) privacy.

more specifically—I have lately become interested in creating technology to help people understand and improve their sleep habits. Much of my previous work focused on redesigning software agreements to better capture readers' attention and interest.

I am excited when technology baffles its users. Every new confusion surrounding how a system *is* carries fresh insight into how it *should be*.

education

- 2010– **PhD, Computer Science & Engineering**
University of Washington
In progress
- 2008–2010 **Master of Mathematics, Computer Science**
University of Waterloo
Area: Human-Computer Interaction
Thesis: Techniques and heuristics for improving the visual design of software agreements
- 2004–2008 **Bachelor of Computer Science**
University of Waterloo
Minor in Fine Art (Studio Specialization)
Honours with Distinction

research experience

- 2011– **Graduate Research Assistant**
University of Washington
Supervisor: Julie Kientz
Led project to build and deploy Lullaby, a system for tracking environmental factors that disturb sleep.
- 2008–2010 **Graduate Research Assistant**
University of Waterloo
Supervisor: Michael Terry
Designed and evaluated user interfaces for software agreements.
- 2007–2008 **Undergraduate Research Assistant**
University of Waterloo
Supervisor: Michael Terry
Developed and user-tested narrative pictograms for informed consent.

publications

papers—

- 2011 **Lullaby: environmental sensing for sleep self-improvement**
Matthew Kay, Eun Kyoung Choe, Jesse Shepherd, Benjamin Greenstein, Sunny Consolvo, Patrick Gage Kelley, Julie Kientz
CHI '11 workshop on Personal Informatics
- 2010 **Textured agreements: re-envisioning electronic consent**
Matthew Kay, Michael Terry
SOUPS '10: Symposium on usable privacy and security
- 2010 **Communicating software agreement content using narrative pictograms**
Matthew Kay, Michael Terry
alt.chi '10
- 2010 **Perceptions and practices of usability in the Free/Open Source Software (FOSS) community**
Michael Terry, Matthew Kay, Ben Lafreniere
CHI '10: Conference on human factors in computing systems
- 2008 **Ingimp: introducing instrumentation to an end-user open source application**
Michael Terry, Matthew Kay, Brad Van Vugt, Brandon Slack, Terry Park
CHI '08: Conference on human factors in computing systems

posters—

- 2009 **Textured agreements: re-envisioning electronic consent**
Matthew Kay, Michael Terry
SOUPS '09: Symposium on usable privacy and security

thesis—

- 2010 **Techniques and heuristics for improving the visual design of software agreements**
Matthew Kay
Master's thesis, University of Waterloo

service & extracurriculars

- FALL 2011 **New Graduate Student Orientation Co-coordinator**
University of Washington Computer Science & Engineering
- SPRING 2011 **Prospective Student Committee Graduate Student Whip and Human-Computer Interaction Liaison**
University of Washington Computer Science & Engineering
Ensured graduate students scheduled time to meet prospectives; organized outing for prospective HCI students.
- SPRING 2010 **Human-Computer Interaction Seminar Leader**
University of Waterloo Computer Science Girls' Seminar
Designed/ran two seminars for high school girls interested in CS; each session included an introduction to HCI and a design activity.

awards & honours

- 2011–2013 **NSERC Postgraduate Scholarship (Doctoral)**
Natural Sciences and Engineering Research Council of Canada
- 2008–2010 **NSERC Canada Graduate Scholarship (Master's)**
Natural Sciences and Engineering Research Council of Canada
- 2008–2010 **President's Graduate Scholarship**
University of Waterloo
- 2008 **NSERC Undergraduate Student Research Assistantship**
Natural Sciences and Engineering Research Council of Canada
- 2004–2008 **Descartes Scholarship**
University of Waterloo

expertise

IN-DEPTH **Android, Python, Bash, Java, HTML, CSS, Javascript**
PASSABLE **Processing, Ruby, R, SQL, Ada, PHP, C++, C**
TOOLS **InDesign, Premiere, GIMP, SolidWorks, Inkscape**
each category sorted most–least recently used

teaching experience

- WINTER 2011 **CSE 510: Human–Computer Interaction**
University of Washington
Professor: James Fogarty. 16 students.
Marked labs and reading reports.
- FALL 2010 **CSE 321: Software Design and Implementation**
University of Washington
Professor: David Notkin. 42 students.
Tutored students one-on-one, marked, ran labs/recitations.
- WINTER 2010 **CS 349: User Interfaces**
University of Waterloo
Professor: Michael Terry. 128 students.
Tutored students one-on-one, marked, covered some lectures.
- FALL 2009 **CS 489: Human–Computer Interaction**
University of Waterloo
Professor: Michael Terry. 31 students.
Provided feedback at group critiques, marked, covered some lectures.
- SPRING 2009 **CS 349: User Interfaces**
University of Waterloo
Professor: Byron Becker. 50 students.
Tutored students one-on-one, marked.
- WINTER 2009 **CS 489: Human–Computer Interaction**
University of Waterloo
Professor: Edward Lank. 13 students.
Provided feedback at group critiques, marked, covered some lectures.
- FALL 2008 **CS 489: Human–Computer Interaction**
University of Waterloo
Professor: Michael Terry. 23 students.
Provided feedback at group critiques, marked, covered some lectures.