

Scott Davidoff

scott.davidoff@cs.cmu.edu

Design Ethnography + Methods

Mobile Machine Learning Applications for Families

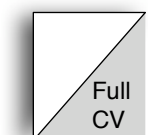
PhD	Carnegie Mellon	Human-Computer Interaction	10
MS	Carnegie Mellon	Computer Science	06
MHCI	Carnegie Mellon	Human-Computer Interaction	04
BA	Duke	Political Theory + Literature	93

Carnegie Mellon	Research Assistant	04-
Microsoft Research	Research Intern	08-09
Scott Davidoff Design	Principal	98-03
Previous Lives	Journalist	96-98
	High School Math Teacher	94-96
	ESL Teacher	94-96

Designing for control: Finding roles for smart homes	Lee, MK, Davidoff, S, Zimmerman, J, + Dey, AK (eds.) P. Desmet, J. van Erp & M. Karlsson	D&E Moves
Rapidly exploring application design through speed dating	Davidoff, S, Lee, MK, Dey, AK + Zimmerman, J	UbiComp 07 2nd Best Presented
Smart Bag: Managing home and raising children	Lee, MK, Davidoff, S, Zimmerman, J + Dey, AK	DPPI 07
Smart homes, families and control	Lee, MK, Davidoff, S, Zimmerman, J + Dey, AK	D&E 06 Best Paper
Principles of smart home control	Davidoff, S, Lee, MK, Yiu, CM, Zimmerman, J + Dey, AK	UbiComp 06
The book as user interface: Lowering the entry cost to email for elders	Davidoff, S, Bloomberg, C, Li, IAR, Fussell, SR + Mankoff, J	CHI 05

Program Committees

CHI 2009 Works in progress
TEI 2009



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Mobile Machine Learning Applications for Families

Carnegie Mellon
Research Assistant

04-Today
Observed dual-income families in situ for 2 years
Introduced "Speed Dating" for prototyping
Collected 6-month family coordination field dataset
Revealed design opportunities to use routines
Created novel interfaces for capturing routines
Proved family routines can be machine-learned

Microsoft Research
Research Intern

08-09
Developed concepts for robots at home
Introduced robot prototyping platform

Scott Davidoff Design
Principal

98-03
Offered interaction design and fieldwork consulting
Introduced 8 first-generation software products
Translated user needs into functional specs
Directed design team realization of opportunities
Directed programming of UI's and products
Clients: SBC Ameritech, AOL, TV Guide

Before Research

Editor, Business Wire 96-98
High School Math Teacher 95-96
ESL Teacher, Marrakesh 94-96

Publications Research

Book Chapters

Lee, M.K., Davidoff, S., Zimmerman, J., and Dey, A.K. (2008). Designing for control: Finding roles for smart homes. In P. Desmet, J. van Erp, and M. Karlsson (eds.), *Design & Emotion Moves* (pp. 246-266). UK:Cambridge Scholars Publishing.

Conference Papers

Davidoff, S., Lee, M.K., Dey, A.K. & Zimmerman, J. (2007) Rapidly exploring application design through Speed Dating, in *Proceedings of Ubicomp 2007*, 429-446.

Lee, M.K., Davidoff, S., Dey, A.K. & Zimmerman, J. (2007) Smart bag: Managing home and raising children, in *Proceedings of Designing Pleasureable Products and Interfaces 2007*.

Lee, M.K., Davidoff, S., Zimmerman, J. & Dey, A.K. (2006) Smart homes, families and control, in *Proceedings of Design & Emotion 2006*.

Davidoff, S., Lee, M.K., Yiu, C.M., Zimmerman, J. & Dey, A.K. (2006) Principles of smart home control, in *Proceedings of Ubicomp 2006*, 19-34.

Davidoff, S., Lee, M.K., Zimmerman, J. & Dey, A.K. (2006) Socially-aware requirements for a smart home, in *Proceedings of the International Symposium on Intelligent Environments 2006*, 45-48.

Davidoff, S., Bloomberg., C., Li, I.A.R., Fussell, S. R., and Mankoff, J. (2005) The book as user interface: Lowering the entry cost to email for elders, in *Proceedings of CHI 2005 Extended Abstracts*, 1331-1334.

Workshops

Davidoff, S., Lee, M.K., Zimmerman, J., & Dey, A.K. (2006) Socially-aware requirements for a smart home for families, in *Proceedings of CHI 2006 Workshop on IT@Home*.

Davidoff, S., Carter, S., and Mankoff, J. (2005) Can early-stage tools and techniques for iterative design help researchers understand a problem space?, in *Proceedings of the Pervasive 2005 Workshop on Application-Led Research in Ubiquitous Computing*, 11-14.

Publications Industry

Dangelmaier, H. & Davidoff, S. (2002) Making profits: What the prophets didn't tell us, Graphis Interactive Design 2. Ed. B. Martin Pederson. New York: Graphis, 8-9.

Dangelmaier, H. & Davidoff, S. (2001) Judgment day, Graphis, 334: 9.

Dangelmaier, H. & Davidoff, S. (2001) Design's role in business success, <http://office.com>, April 25, 2001.

Dangelmaier, H. & Davidoff, S. (2001) Why most B2B websites are marketing liabilities. <http://office.com>, Feb. 15, 2001.

Dangelmaier, H. & Davidoff, S. (2000) The Deceptive service offerings of enterprise web agencies, <http://office.com>, Sept. 21, 2000.

Professional Service

CHI	WIP Program Committee	09
	Reviewer	05-09
Ubicomp	Reviewer	07-08
CSCW	Reviewer	08
DIS	Reviewer	06, 08
DUX	Reviewer	05,07
TEI	Program Committee	09
	Reviewer	09

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Education

**Carnegie Mellon
PhD**

Expected 2010

Human-Computer Interaction

Advisor: John Zimmerman

Advisor: Anind Dey

Thesis: The Machine Learning of Family Routines

**Carnegie Mellon
MS**

06

Computer Science

**Carnegie Mellon
MHCI**

04

Professional HCI Practitioner

Focus: Design of User Interfaces

Project: TeamMail, email for collaboration

Sponsor: Sun Microsystems

**Duke
BA**

93

Political Theory + Literature

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Press

Pittsburgh Tribune-Review

Brandolph, A. (2008) The link: Scott Davidoff. Pittsburgh Tribune-Review, Feb. 26, 2008.

http://www.pittsburghlive.com/x/pittsburghtrib/news/tribpm/s_554345.html

Engadget

Blass, E. (2007) 'Reverse Alarm Clock' keeps the kids in bed so you can party, May 11, 2007.

<http://www.engadget.com/2007/05/11/reverse-alarm-clock-keeps-the-kids-in-bed-so-you-can-party/>

Adaptive Path

Hinman, R. (2007) Speed Dating as a Design Method, Sep. 19, 2007.

<http://www.adaptivepath.com/blog/2007/09/19/speed-dating-as-a-design-method/>

Dorkbot

Invited talk to Dorkbot Pittsburgh 10, 22 Mar,2007.

<http://dorkbot.org/dorkbotpgh/archives.html>

Carnegie Mellon The Link

Color Me Happy, *The Link*, *News from the School of Computer Science*, Vol 2., Spring 2007, p.6

<http://www.scribd.com/doc/2433998/The-Link-Spring-2007>