Daniel A. Epstein

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Education

2012-Present   University of Washington
Ph.D. Student in Computer Science & Engineering
Advisors: James Fogarty, Sean Munson
Areas: Human-Computer Interaction, Ubiquitous Computing
M.S. Computer Science & Engineering, Winter 2014

2008-2012   University of Virginia
B.S. Computer Science with Highest Distinction
Advisors: Kevin Skadron, Aaron Bloomfield

Conference Publications

2016   **C8**   **Taking 5: Work-Breaks, Productivity, and Opportunities for Personal Informatics for Knowledge Workers**
Daniel A. Epstein, Daniel Avrahami, Jacob T. Biehl.
CHI 2016 [Acceptance Rate 23%]

C7   **Crumbs: Lightweight Daily Food Challenges to Promote Engagement and Mindfulness**
Daniel A. Epstein, Felicia Cordeiro, James Fogarty, Gary Hsieh, Sean A. Munson.
CHI 2016 [Acceptance Rate: 23%]

C6   **Beyond Abandonment to Next Steps: Understanding and Designing for Life after Personal Informatics Tool Use**
Daniel A. Epstein, Monica Caraway, Chuck Johnston, An Ping, James Fogarty, Sean A. Munson
CHI 2016 [Acceptance Rate: 23%]

2015   **C5**   **A Lived Informatics Model of Personal Informatics**
Daniel A. Epstein, An Ping, James Fogarty, Sean A. Munson
UbiComp 2015 [Acceptance Rate: 30%]

C4   **Barriers and Negative Nudges: Exploring Challenges in Food Journaling**
Felicia Cordeiro, Daniel A. Epstein, Edison Thomaz, Elizabeth Bales, Arvind K. Jagannathan, Gregory D. Abowd, James Fogarty
CHI 2015 [Acceptance Rate: 23%], Best paper nominee, top 5%

C3   **From "nobody cares" to "way to go!": A Design Framework for Social Sharing in Personal Informatics**
Daniel A. Epstein, Bradley H. Jacobson, Elizabeth Bales, David W. McDonald, Sean A. Munson
CSCW 2015 [Acceptance Rate: 28%]

2014   **C2**   **Taming Data Complexity in Lifelogs: Exploring Visual Cuts of Personal Informatics Data**
Daniel A. Epstein, Felicia Cordeiro, Elizabeth Bales, James Fogarty, and Sean A. Munson.
DIS 2014 [Acceptance Rate: 26%]

2013   **C1**   **Fine-Grained Sharing of Sensed Physical Activity: A Value Sensitive Approach**
Daniel A. Epstein, Alan Borning, and James Fogarty
UbiComp 2013 [Acceptance Rate: 23%]

Workshop Publications

2015 **W7** **Personal Informatics in Everyday Life**
Daniel A. Epstein
UbiComp/ISWC 2015 Doctoral School

W6 **Wearables of 2025: Designing Personal Informatics at a Broader Audience**
Daniel A. Epstein, Nicole B. Lee, Elizabeth Bales, James Fogarty, Sean A. Munson
CHI 2015 Workshop (Beyond Personal Informatics: Designing for Experiences with Data)

2014 **W5** **Failures in Sharing Personal Data on Social Networking Sites**
Daniel A. Epstein, James Fogarty, Sean A. Munson
UbiComp 2014 Workshop (Disasters in Personal Informatics: The Unpublished Stories of Failure and Lessons Learned)

W4 **Design Considerations for Socially Sharing Quantified Self**
Daniel A. Epstein, Elizabeth Bales and Sean A. Munson
CHI 2014 Workshop (Beyond Quantified Self: Data for Wellbeing)

2013 **W3** **Improving Personal Informatics Through Social Sharing**
Daniel A. Epstein
UbiComp/ISWC 2013 Doctoral School (Junior Track)

W2 **Examining Obstacles to Sharing Fine-Grained Personal Activity Data**
Daniel A. Epstein and James Fogarty
CHI 2013 Workshop (Personal Informatics in the Wild: Hacking Habits for Health & Happiness)

2012 **W1** **Multi-Granularity Redundancy in Multi-Core SIMT**
Daniel A. Epstein, Kevin Skadron, and Brett H. Meyer (2012).
DFM&Y 2012 (Workshop on Design for Manufacturability and Yield).

Posters

2015 **P2** **Personal Informatics in Everyday Life**
Daniel A. Epstein
UbiComp 2015 Doctoral School

P1 **SIMD Performance and Yield Optimization with Multi-granularity Redundancy**
Daniel A. Epstein, Kevin Skadron, and Brett H. Meyer.
DAC 2012 Work-in-Progress

Teaching Experience

University of Washington

2016 Teaching Assistant
Advanced Topics in HCI (CSE 510), James Fogarty. Aided in course design, research project feedback

2015 Teaching Assistant
HCI Capstone (CSE 441), James Fogarty. Aided in course design, project critiques

2014 Head Teaching Assistant
Introduction to HCI (CSE 440), James Fogarty. Aided in course design, lecture preparation, biweekly project critiques, grading

2013-Present	Research mentorship
	Organized Directed Research Group (HCDE 496/596), with Sean Munson. Mentored masters and undergraduate students on research projects in personal informatics; work from group resulted in [C. 3], [C. 5], [C. 8], [W. 4], with student coauthors on [C. 3], [C. 5], [C. 8].
	Students Mentored
	Jennifer Kam (summer research, visiting from Wellsley College)
	King Xia (B.S. honors thesis)
2013-Present	Tutor
	Data Structures and Algorithms (CSE 373), Data Abstractions (CSE 332),
	Software Design & Implementation (CSE 331), Database Systems Internals (CSE 444)

University of Virginia

2009-2012	Teaching Assistant
	Introduction to Programming (CS 1110), Operating Systems (CS 4414),
	Game Design (CS 4501), Algorithms (CS 4102), Program and Data Representation (CS 2150)

Professional Experience

Summer 2015	FXPAL, Research Intern
	Mentors: Daniel Avrahami, Jacob Biehl
	Understanding and designing for breaks taken by knowledge workers during the workday, published in [C. 6]
2012-Present	University of Washington, Research Assistant, DUB Group
	Advisors: James Fogarty, Sean Munson
	Exploring means of improving personal informatics applications through pattern visualization and social sharing
2010-2012	University of Virginia, Undergraduate Research Assistant, LAVA Lab
	Advisors: Kevin Skadron, Brett Meyer
	Examined using redundancy to increase the reliability of processor manufacturing in single-instruction, multiple-data (SIMD) processors
Summer 2011, 2012	Microsoft, Software Development Engineer in Test Intern
	Wrote web service test framework for issuing game console commands for all major smartphones

Awards, Honors, and Service

Reviewer	CHI 2014-2016
	CHI 2016 Late-Breaking Work Program Committee
	DIS 2016
	UbiComp 2014 & 2015
	MobileHCI 2014 & 2015
Student Volunteer	UbiComp 2013 & 2014
	CHI 2013
Awards	Best Paper Nomination, CHI 2015 (for [C. 4])
	UbiComp 2015 Travel Grant
	UbiComp 2013 Travel Grant
	2012 Louis T. Rader UVA CS Departmental award for excellence in service
	2011 Louis T. Rader UVA CS Departmental award for excellence in teaching