Daniel A. Epstein

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EDUCATION

2012-Present	**University of Washington**
	Ph.D. Student in Computer Science & Engineering
	Area: Human-Computer Interaction, Ubiquitous Computing
	M.S. Computer Science, Winter 2014
	Advisors: James Fogarty, Sean Munson
2008-2012	**University of Virginia**
	B.S. Computer Science with Highest Distinction
	Advisors: Kevin Skadron, Aaron Bloomfield

CONFERENCE PUBLICATIONS

[C. 8] Daniel A. Epstein, Monica Caraway, Chuck Johnston, An Ping, James Fogarty, Sean A. Munson (2016). **Beyond Abandonment to Next Steps: Understanding and Designing for Life after Personal Informatics Tool Use.** Conditionally accepted to the ACM Conference on Human Factors in Computing Systems (CHI 2016). [Acceptance Rate: 23%]

[C. 7] Daniel A. Epstein, Felicia Cordeiro, James Fogarty, Gary Hsieh, Sean A. Munson (2016). **Crumbs: Lightweight Daily Food Challenges to Promote Engagement and Mindfulness.** Conditionally accepted to the ACM Conference on Human Factors in Computing Systems (CHI 2016). [Acceptance Rate: 23%]

[C. 6] Daniel A. Epstein, Daniel Avrahami, Jacob T. Biehl (2016). **Taking 5: Work-Breaks, Productivity, and Opportunities for Personal Informatics for Knowledge Workers.** Conditionally accepted to the ACM Conference on Human Factors in Computing Systems (CHI 2016). [Acceptance Rate: 23%]

[C. 5] Daniel A. Epstein, An Ping, James Fogarty, Sean A. Munson (2015). **A Lived Informatics Model of Personal Informatics.** Proceedings of the ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2015). [Acceptance Rate: 30% (120/394)]

[C. 4] Felicia Cordeiro, Daniel A. Epstein, Edison Thomaz, Elizabeth Bales, Arvind K. Jagannathan, Gregory D. Abowd, James Fogarty (2015). **Barriers and Negative Nudges: Exploring Challenges in Food Journaling.** Proceedings of the ACM Conference on Human Factors in Computing Systems (CHI 2015). [Acceptance Rate: 23% (495/2150)]
Best Paper Nominee, top 5%

[C. 3] Daniel A. Epstein, Bradley H. Jacobson, Elizabeth Bales, David W. McDonald, Sean A. Munson (2015). **From "nobody cares" to "way to go!": A Design Framework for Social Sharing in Personal Informatics.** Proceedings of the ACM Conference on Computer Supported Cooperative Work (CSCW 2015). [Acceptance Rate: 28% (163/575)]

[C. 2] Daniel A. Epstein, Felicia Cordeiro, Elizabeth Bales, James Fogarty, and Sean A. Munson (2014). **Taming Data Complexity in Lifelogs: Exploring Visual Cuts of Personal Informatics Data.** Proceedings of the ACM International Conference on Designing Interactive Systems (DIS 2014). [Acceptance Rate: 26% (105/402)]

[C. 1] Daniel A. Epstein, Alan Borning, and James Fogarty (2013). **Fine-Grained Sharing of Sensed Physical Activity: A Value Sensitive Approach.** Proceedings of the ACM International Joint Conference on Pervasive and Ubiquitous Computing (UbiComp 2013). [Acceptance Rate: 23% (92/394)]

WORKSHOP PUBLICATIONS

[W. 7] Daniel A. Epstein (2015). **Personal Informatics in Everyday Life**. Presented at the ACM International Joint Conference on Pervasive and Ubiquitous Computing Doctoral School (UbiComp 2015).

[W. 6] Daniel A. Epstein, Nicole B. Lee, Elizabeth Bales, James Fogarty, Sean A. Munson (2015). **Wearables of 2025: Designing Personal Informatics at a Broader Audience**. Presented at the ACM Conference on Human Factors in Computing Systems Workshop on Beyond Personal Informatics: Designing for Experiences with Data (CHI 2015).

[W. 5] Daniel A. Epstein, James Fogarty, Sean A. Munson (2014). **Failures in Sharing Personal Data on Social Networking Sites**. Presented at the ACM International Joint Conference on Pervasive and Ubiquitous Computing Workshop on Disasters in Personal Informatics: The Unpublished Stories of Failure and Lessons Learned (UbiComp 2014).

[W. 4] Daniel A. Epstein, Elizabeth Bales and Sean A. Munson (2014). **Design Considerations for Socially Sharing Quantified Self**. Presented at the ACM Conference on Human Factors in Computing Systems Workshop on Beyond Quantified Self: Data for Wellbeing (CHI 2014).

[W. 3] Daniel A. Epstein (2013). **Improving Personal Informatics Through Social Sharing**. Presented at the ACM International Joint Conference on Pervasive and Ubiquitous Computing Doctoral School (UbiComp 2013).

[W. 2] Daniel A. Epstein and James Fogarty (2013). **Examining Obstacles to Sharing Fine-Grained Personal Activity Data**. Presented at the ACM Conference on Human Factors in Computing Systems Workshop on Personal Informatics in the Wild: Hacking Habits for Health & Happiness (CHI 2013).

[W. 1] Daniel A. Epstein, Kevin Skadron, and Brett H. Meyer (2012). **Multi-Granularity Redundancy in Multi-Core SIMT**. Presented at the IEEE Workshop on Design for Manufacturability and Yield (DFM&Y 2012).

POSTERS

[P. 2] Daniel A. Epstein (2015). **Personal Informatics in Everyday Life**. Presented at the ACM International Joint Conference on Persasive and Ubquitous Computing (UbiComp 2015).

[P. 1] Daniel A. Epstein, Kevin Skadron, and Brett H. Meyer (2012). **SIMD Performance and Yield Optimization with Multi-granularity Redundancy**. Presented at the Work-in-Progress Session of the IEEE/ACM Design Automation Conference (DAC 2012).

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 information workers during the workday,
resulting in publication [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
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