

UNIVERSITY OF WASHINGTON, SCHOOL OF MEDICINE  
CURRICULUM VITAE

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**EDUCATION**

1992 - 1996 University of Washington, Seattle, WA **B.S. Psychology, Cum laude**  
2003 - 2009 University of Washington, Seattle, WA **Ph.D. Biomedical Informatics**

**PRESENT POSITIONS**

2011 - Present **Research Scientist**, I-TECH, Department of Global health, University of Washington, Seattle, WA  
2011 - Present **Research Scientist**, The Information School, University of Washington, Seattle, WA  
2011 - Present **Research Scientist**, Department of Pediatrics, Division of Genetic Medicine, University of Washington, Seattle, WA  
2011 - Present **Advisory Board**, Medify, inc, Seattle, WA

**PREVIOUS POSITIONS**

1996 – 1998 **Research Study Coordinator** – Department of Psychology, University of Washington, Seattle, WA  
1997 – 1998 **Research Technologist** – Otolaryngology Head and Neck Surgery, University of Washington Medical Center, Seattle, WA  
1999 – 2003 **Computer Analyst** – Department of Psychology, University of Washington, Seattle, WA  
2003 – 2009 **Research Assistant** - University of Washington, Seattle, WA  
2009 – 2011 **Postdoctoral Fellow** -Department of Medical Education and Biomedical Informatics, University of Washington, Seattle, WA

**RESEARCH TRAINING**

2003 - 2006 **National Library of Medicine Pre-Doctoral Research Fellow**  
Dissertation: “Understanding and facilitating patient expertise sharing”  
Advisor: Wanda Pratt, MD  
2006 **Research Assistant**, IMRT Prostate Cancer Treatment Planning project  
*“Using multi-attribute utility theory to incorporate patient preferences into IMRT planning decisions for prostate cancer”*  
Department of Radiation Oncology, School of Medicine, University of Washington, Seattle, WA  
Advisors: Mark Phillips, Ph.D. and Jason Doctor, Ph.D.  
2007 **Research Assistant**- Keeping Found Things Found project  
*“Making information mine: ‘Placing’ vs. ‘tagging’ as models for structuring personal information collection”* (Supported by an award from Google)  
The Information School, University of Washington, Seattle, WA  
Advisors: William P. Jones, Ph.D. and Harry Bruce, Ph.D.

- 2007 – 2009      **Research Assistant-** Managing Health in Your Life project  
*“Managing Health Information Your Life: Supporting the information management needs of breast cancer patients”*  
 Department of Medical Education & Biomedical Informatics, School of Medicine  
 University of Washington, Seattle, WA  
 Advisor: Wanda Pratt, Ph.D.
- 2008 – 2009      **Research Assistant-** Change of Heart project  
*“Using Mobile Technologies to Uncover Barriers to Healthy Behavior in Heart Disease Patients”* (Supported by Microsoft HealthVault Be Well Award  
 The Information School, University of Washington, Seattle, WA  
 Advisor: Wanda Pratt, Ph.D.

### **HONORS and AWARDS**

- 1992-1996      Dean’s List, University of Washington, Seattle, WA.  
 1995              Golden Key National Honors Society  
 1995              National Dean’s List  
 1995              Psi Chi National Honor Society  
 1996              **Phi Beta Kappa** National Honor Society  
 2003              National Library of Medicine Research Training Fellowship  
 2006              Nomination for Best Paper Award, HICSS:  
 Civan, A., & Pratt, W. (2006). Supporting Consumers by Characterizing the Quality of Online Health Information: A Multidimensional Framework. In *Proc. 39th Annual Hawaii International Conference on System Sciences (HICSS)*. Jan, 2006, Kauai, HI, p. 88a.
- 2007              Nomination for Distinguished Paper Award, AMIA:  
 Civan, A., & Pratt, W. (2007). Threading Together Patient Expertise, In *Proc. AMIA Annual Fall Symposium*. Nov, 2007, Chicago, IL, p. 140-144.
- 2010              WISH Mentoring program, Workshop on interactive health systems in Healthcare (WISH) 2010, Atlanta, GA.
- 2010              International Partnership in Health Informatics Education (IPHIE) fellow, 2010, Seattle, WA.
- 2011              Distinguished Reviewer Award, AMIA 2011 Annual Fall Symposium

### **ORGANIZATIONS**

- 2003 - Present      American Medical Informatics Association (AMIA)  
 2008 - 2009        American Society for Information Science and Technology (ASIST)  
 2009 - Present      Association for Computing Machinery (ACM)

### **EDITORIAL RESPONSIBILITIES**

#### ***Editorial boards:***

- 2008-2010          Editorial Board (student member), Journal of American Medical Informatics Association (JAMIA)

#### ***Program committees:***

- 2009                  Program Committee, Workshop on Personal Information Management (PIM), ACM SIGIR Conference.
- 2009                  Program Committee, ASIS&T Personal Information Management Workshop
- 2010                  Program Committee, The American Society for Information Science & Technology (ASIS&T) Annual Meeting
- 2010                  Poster Program Committee, Committee, American Medical Informatics Association (AMIA) Fall Symposium

- 2011 Technical Program Committee, 5th International Conference on Pervasive Computing Technologies for Healthcare (PCTH'11)
- 2012 Program Committee, 5<sup>th</sup> International Workshop on Personal Information Management (PIM), ACM conference on Computer Supported Cooperative Work (CSCW'12)

**Ad Hoc Reviewer for the Journals:**

- 2007 European Journal of Information Systems (EJIS), Special Issue on "Healthcare Information Systems Research, Revelations and Visions"
- 2007 Methods of Information in Medicine
- 2007 Transactions on Information System, Special Issue on Personal Information Management
- 2007 Journal of the American Society for Information Science & Technology (JASIST)
- 2008 Communications of the Association for Information Systems (CAIS)
- 2010 International Journal of Medical Informatics (IJMI)
- 2011 Information Processing & Management (IPM)
- 2011 Journal of Medical Internet Research (JMIR)

**Reviewer for the Conferences:**

- 2006-present AMIA Annual Symposium
- 2006-2008 Hawaii International Conferences on System Sciences (HICSS)
- 2009-present ACM Conference on Human Factors in Computing Systems (CHI)
- 2009, 2012 International Workshop on Personal Information Management (PIM)
- 2010 International Conference on Pervasive Computing Technologies for Healthcare (PCTH)
- 2010-present ACM Conference on Computer Supported Cooperative Work (CSCW)
- 2010 The American Society for Information Science & Technology (ASIS&T) Annual Meeting

**SPECIAL RESPONSIBILITIES**

- 2008 - 2009 Biomedical Informatics Community Relations committee (student representative)
- 2010 Facilitator, Biomedical Research Integrity Program (BRI), University of Washington, School of Medicine

**RESEARCH FUNDING****Active:**

- 9/30/11-9/29/14 **Research Scientist** – “Innovative Approaches to Returning Results in Exome and Genome Sequencing Studies”  
NIH/NHGRI, R01, Holly Tabor, PhD PI
- 4/1/11- 5/1/13 **Co-Investigator** – “Optimizing graphical representations of prostate cancer symptom burden: health literacy, numeracy, and preferences for graphical representations of symptoms following treatment”  
1R03CA158054, NCI, John Gore, MD PI
- 9/1/11-8/30/14 **Co-Investigator** – “Matchmaking for health: Facilitating Mentoring in Peer Health Communities through Social Matching”  
NSF Smart health and wellbeing award (small), Wanda Pratt, PhD, PI
- 4/1/11-3.31.16 **Research Scientist** – “International Training and Education Center on HIV”  
HRSA/PEPFAR, 6U69 GA 0004701, King Holmes, MD, PhD PI

**Pending:**

7/1/12-6/30/14      **Co-Investigator** – “Implementation of personalized, preference-based decision making” PCORI pilot grant, John Gore, MD PI

**Completed:**

09/16/2007–9/15/2011      **Senior Fellow** - “Managing health in your life” R01LM009143, NLM Wanda Pratt, PhD, PI

6/2008-9/2009      **Senior Fellow, Research Assistant** – “Change of Heart”, Microsoft Health Vault Be Well Fund Award, Wanda Pratt, PhD PI

1/2007-9/2007      **Research Assistant** - “Making information mine: “Placing” vs. “tagging” as models for structuring personal information collections“ Google award, William Jones, PhD PI

**TEACHING RESPONSIBILITIES**

2006      Guest lecture, INSC 498, Special Topics in Informatics: Personal Information Management, University of Washington

2007      Guest lecture, INSC 310, Individual Perspectives on Information Systems, University of Washington 2007 Instructor, MEBI 591, Personal Health Informatics Seminar, University of Washington

2008      Guest lecture, MEBI 498, The Personal Health Approach to Health Informatics, University of Washington

2008      Guest lecture, MEBI 537, Qualitative Methods in Biomedical and Health Informatics, University of Washington

2009      Instructor, MEBI 591, Collaborative technologies in health Seminar University of Washington

2009      Guest lecture, MEBI 537, Qualitative Methods in Biomedical and Health Informatics, University of Washington

2010      Discussion group leader, Biomedical Research Integrity Program, University of Washington

2010      Guest lecture, INFX 598, Personal Health Informatics, University of Washington

2011      Guest lecture, NMETH 583, Interpretive Methods in Nursing Research, University of Washington.

**MENTORSHIP RESPONSIBILITIES**

2005-2006      Amelia Lacenski, undergraduate advisee, iSchool University of Washington

2005-2006      Grace Preyapongpisan, undergraduate advisee, iSchool University of Washington

2011-present      Albert Park, MS, graduate student advisee, Biomedical and Health Informatics, University of Washington

**BIBLIOGRAPHY****Peer-reviewed Journal Publications:**

1. Teller DY, Pereverzeva M, **Civan A**. Adult brightness vs. Luminance as Models of Infant Photometry: Variability, Biasability, and Spectral Characteristics for the Two Age Groups Favor the Luminance Model. *Journal of Vision* 2003, 3(5):article 2.
2. **Civan A**, Teller DY, Palmer J. Relations between Spontaneous Preferences, Familiarized Preferences, and Novelty Effects: Measurements with Forced-Choice Techniques. *Infancy* 2005, 7(2):111-142.

3. Pratt W, Unruh K, **Civan A**, Skeels, MM. Personal Health Information Management. *Communications of the ACM (CACM)* 2006, Special Issue on Personal Information Management, 49(1):51-55.
4. **Civan A**, Pratt W. Information Systems and Healthcare XXII: Characterizing and Visualizing the Quality of Health Information. *Communications of the Association for Information Systems* 2007, 20(1): Article 18.
5. **Hartzler A**, Pratt W. Managing the Personal Side of Health: How Patient Expertise Differs from the Expertise of Clinicians, *Journal of Medical Internet Research (JMIR)*, 2011;13(3):e62. doi:10.2196/jmir.1728.
6. Bragg C, Anderson N, Hartzler A, Edwards K. Participant-Centric Initiatives: Tools to Facilitate Engagement In Research. *JAMIA*, Under Review

#### **Peer-reviewed full-length Conference Papers:**

1. Teller DY, **Civan A**, Bronson-Castain K. Infants' spontaneous color preferences are not due to adult-like brightness variations. *Visual Neuroscience* 2004, 21(3):397-401.PMID: 15518220
2. **Civan A**, Skeels MM, Stolyar A, Pratt W. Personal Health Information Management: Consumers' Perspectives. In *Proceedings of AMIA Annual Fall Symposium*. November, 2006, Washington DC, p.156-160.
3. **Civan A**, Pratt W. Supporting Consumers by Characterizing the Quality of Online Health Information: A Multidimensional Framework. In *Proceedings of the 39th Annual Hawaii International Conference on System Sciences (HICSS)*. January, 2006, Kauai, HI, p.88a. **(Best paper award nomination)**
4. **Civan A**, Pratt, W. Threading Together Patient Expertise, In *Proceedings of the AMIA Annual Fall Symposium*. November, 2007, Chicago, IL, p. 140-144. **(Distinguished paper award nomination)**
5. Jones W, Klasnja P, **Civan A**, Adcock, M. The Personal Project Planner: Planning to Organize Personal Information. In *Proceeding of the SIGCHI Conference on Human Factors in Computing Systems (CHI'08)*. April, 2008, Florence, Italy, p. 681-684.
6. **Civan A**, Jones W, Klasnja P, Bruce H. Better to Organize Personal Information by Folders Or by Tags?: The Devil Is in the Details. In *Proceedings of the American Society for Information Science & Technology (ASIS&T) Annual Meeting*. October, 2008, Columbus, OH.
7. **Civan A**, McDonald DW, Unruh KT, Pratt W. Locating Patient Expertise in Everyday Life. In *Proceedings of the 2009 ACM International Conference on Supporting Group Work (GROUP'09)*. May, 2009, Sanibel Island, FL, p. 291-300.
8. Unruh K, Skeels M, **Civan-Hartzler A**, Pratt W. Transforming Clinic Environments into Information Workspaces for Patients. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'10)*. April, 2010, Atlanta, GA., p. 183-192.
9. Klasnja P, **Civan-Hartzler A**, Unruh K, Pratt W. Blowing in the wind: Unanchored Patient information work during cancer care. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'10)*. April, 2010, Atlanta, GA., p. 193-202.
10. **Civan-Hartzler A**, McDonald D, Powell C, Skeels M, Mukai M, Pratt W. Bringing the field into focus: User-centered design of a patient expertise locator. In *Proceedings of the ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'10)*. April, 2010, Atlanta, GA., p. 1675-1684.
11. Klasnja P, **Hartzler A**, Powell C, Phan G, Pratt W. HealthWeaver Mobile: Designing a Mobile Tool for Managing Personal Health Information during Cancer Care. In *Proceedings of the AMIA Annual Fall Symposium*. November, 2010 p. 392-396.
12. **Hartzler A**, Skeels MS, Mukai M, Powell C, Klasnja P, Pratt W. Sharing is caring, but not error free: Transparency of granular controls for sharing personal health information in social networks. In *Proceedings of the AMIA Annual Fall Symposium*. October, 2011 p. 559-568.
13. Klasnja P, **Hartzler A**, Powell C, Pratt W. Supporting cancer patients' unanchored health information management with mobile technology, In *Proceedings of the AMIA Annual Fall Symposium*. October, 2011 p. 732-741.
14. Patel R, Klasnja P, **Hartzler A**, Pratt W. Why Tracking Health Issues is Hard but Beneficial: the Breast Cancer Patients' Perspective. *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI'11)*, under review

**Peer-reviewed Workshop papers, panels, and podium presentations:**

1. Huh J, Hartzler A, Munson S, Parker A, Anderson N, Edwards K, Gore J, O’Leary J, Streat D, Ywtisgen-Yildiz M, Pratt W, Ackerman M. Brainstorming Design for Health: Helping Patients Utilize Patient-Generated Information on the Web. Workshop, ACM Conference on Computer Supported Cooperative Work (CSCW) 2012, Seattle WA.

**Peer-reviewed Extended Abstracts:**

1. Peterzell DM, Chang SK, Kelly JP, **Hartzler AL**, Teller DY. The development of spatial frequency covariance channels for color and luminance: Psychophysical (FPL) and electrophysiological (sweep-VEP) studies. *Perception* 1997, 26(6):759-760.
2. Lia B, Dobkins KR, **Hartzler A**, Palmer J, Teller DY. Three month-old infants respond to quadrature motion of isoluminant gratings. *Perception* 1997, 26(6):760-761.
3. Lia B, Dobkins KR, **Hartzler A**, Palmer J, Teller DY. Three month-old Infants Respond to Color-defined Quadrature-shifted Apparent Motion Stimuli. Association for Research in Vision and Ophthalmology, 1997, Fort Lauderdale, FL.
4. **Civan AL**, Teller DY, Palmer J. Infant color vision: Spontaneous preferences versus novelty preferences as indicators of chromatic discrimination among suprathreshold stimuli. *Journal of Vision* 2003, 3(9):712a.
5. Teller DY, **Civan A**, Bronson-Castain K, Pereverseva M. Infants' spontaneous hue preferences are not solely due to variations in perceived brightness. *Journal of Vision* 2003, 3(9):article142.
6. **Civan A**, Pratt, W. Online Health Information: Multiple Dimensions of Quality. In *Proceedings of the 11th World Congress on Medical Informatics (MEDINFO)*. 2004, San Francisco, CA, p.1557.
7. **Civan A**, Doctor JN, Wolf FM. What Makes a Good Format: Frameworks for Evaluating the Effect of Graphic Risk Formats on Consumers’ Risk-Related Behavior. In *Proceedings of the AMIA Annual Fall Symposium*. October, 2005, Washington, DC, p. 927.
8. **Civan A**, Gennari JH, Pratt W. Integrating Protocol Schedules with Patients' Personal Calendars. In *Proceedings of the AMIA Annual Fall Symposium*. November, 2006, Washington DC, p. 892.
9. Burt A, Phillips MH, **Hartzler A**. The Use of Multiattribute utility theory in the selection of radiation therapy treatments. American Federation of Medical Research Western regional meeting. January 26-29, 2011, Carmel, CA.
10. Kendall L, **Hartzler A**, Klasnja P, Pratt W. Descriptive Analysis of Physical Activity Conversations on Twitter. To appear in Proc. CHI’11
11. **Hartzler A**, Olson K, Dalkin B, Gore J. Enhancing communication after treatment: What cancer patients want from a quality of life dashboard. In *Proceedings of the AMIA Annual Fall Symposium*. October, 2011 p. 1795.
12. Tabor HK, **Civan A**, Crouch J, Kuwana E, McMillan M, Stock J, Yu J, Dent KM, Anderson N, Swanson J, Bamshad M. “My46”, an innovative web-based tool for management of results return from exome and whole genome sequencing studies. 12th International Congress of Human Genetics/61st Annual Meeting of The American Society of Human Genetics, October 12, 2011, Montreal, Canada.
13. Gore J, **Hartzler A**, Izard J. Comprehension and preferences for graphical representations of quality of life after prostate cancer treatment.. To appear at the 2012 Genitourinary Cancers Symposium (GU ASCO).
14. Anderson N, **Hartzler A**, Tabor H, Bamshad M. Personalizing the return of genome sequencing results: Consumer health informatics meets bioinformatics. To appear in Proceedings of the AMIA 2012 join summits on translational science. March 2012.

**International Conference Presentations:**

1. “Online Health Information: Multiple Dimensions of Quality” Poster presentation at *the 11th World Congress on Medical Informatics (MEDINFO)*. 2004, San Francisco, CA.

2. “Supporting Consumers by Characterizing the Quality of Online Health Information: A Multidimensional Framework” Paper presentation at the *39th Annual Hawaii International Conference on System Sciences (HICSS)*. January, 2006, Kauai, HI.
3. “Locating Patient Expertise in Everyday Life”. Paper presentation at the *2009 ACM International Conference on Supporting Group Work (GROUP’09)*. May, 2009, Sanibel Island, FL.

#### **National Conference Presentations:**

1. “Infant color vision: Spontaneous preferences versus novelty preferences as indicators of chromatic discrimination among suprathreshold stimuli” Poster presentation at Visions Sciences Society (VSS), May 2003.
2. “What Makes a Good Format: Frameworks for Evaluating the Effect of Graphic Risk Formats on Consumers’ Risk-Related Behavior”. Poster presentation at *the AMIA Annual Fall Symposium*. October, 2005, Washington, DC.
4. “Health information on the World Wide Web: A Multidimensional framework of Quality” Poster presentation at the National Library of Medicine Informatics Training Conference. 2004, Indianapolis, IN.
3. “Integrating Protocol Schedules with Patients’ Personal Calendars”. Poster presentation at *the AMIA Annual Fall Symposium*. November, 2006, Washington DC.
5. “Exploring Personal Health Information Management”. Presentation at the National Library of Medicine Informatics Training Conference 2006, Nashville, TN.
6. “Personal Health Information Management: Consumers’ Perspectives” Paper presentation at the *AMIA Annual Fall Symposium*. November, 2006, Washington DC.
7. “Threading Together Patient Expertise”. Poster presentation at the *AMIA Annual Fall Symposium*. November, 2007, Chicago, IL.
8. “Understanding and facilitating patient expertise sharing” Poster presentation at the NSF Biomedical Informatics Workshop. Menucha, OR. December 3-5, 2007.
9. “Better to Organize Personal Information by Folders Or by Tags?: The Devil Is in the Details”. Paper presentation at the *American Society for Information Science & Technology (ASIS&T) Annual Meeting*. October, 2008, Columbus, OH.
10. “Bringing the field into focus: User-centered design of a patient expertise locator” Poster presentation at the Workshop on Interactive Health Systems in Healthcare (WISH), 2010, Atlanta, GA.
11. “Bringing the field into focus: User-centered design of a patient expertise locator.” Paper presentation at *ACM SIGCHI Conference on Human Factors in Computing Systems (CHI’10)*. April, 2010, Atlanta, GA.
12. “Sharing is caring, but not error free: Transparency of granular controls for sharing personal health information in social networks” Paper present at the *AMIA Annual Fall Symposium*. October 2011, Washington DC.
13. “Enhancing communication after treatment: What cancer patients want from a quality of life dashboard.” Poster presentation at the *AMIA Annual Fall Symposium*. October 2011, Washington DC.

#### **Special Local or Regional Presentations:**

1. “Do Graphics Really Help? Comparing the effect of visual versus textual presentation formats on consumers’ risk-related behavior”. Guest lecture, MEBI 591, Biomedical and Health Informatics Colloquium, University of Washington, April 2005.
2. “Making information mine” Guest lecture, INSC 498, Special Topics in Informatics: Personal Information Management, University of Washington, April 2007.
3. “Personal Information Management: Making information mine”, iEdge 2007, Seattle, WA, March 2007.

4. "Supporting Consumers by Characterizing the Quality of Online Health Information: A Multidimensional Framework", Guest lecture, INSC 310, Individual Perspectives on Information Systems, University of Washington February, 2007.
5. "The Personal Health Approach to Health Informatics", Guest lecture, MEBI 498, Transformational Technologies for Biology, Medicine, and Health, University of Washington. April 2008.
6. "Qualitative methods: Insights from the field", Guest lecture, MEBI 537, Qualitative Methods in Biomedical and Health Informatics, University of Washington November 2008.
7. "When and how to use qualitative methods in biomedical informatics", Guest lecture, MEBI 537, Qualitative Methods in Biomedical and Health Informatics, University of Washington, November, 2009.
8. "Bringing the field into focus: User-centered design of a patient expertise locator", DUB seminar, University of Washington, March 2010.
9. "Bringing the field into focus: User-centered design of a patient expertise locator", Guest lecture, Personal Health Informatics (INFX 598), University of Washington, April 2010.
10. "Bringing the field into focus: User-centered design of a patient expertise locator", International Partnership for Health Informatics Education (IPHIE), University of Washington, Seattle, June 2010.
11. "Internet as a research tool", Guest lecture for Interpretive Methods in Nursing Research (NMETH 583), University of Washington, School of Nursing, May 2011.