SUSHMITA SUBRAMANIAN

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Skills

Explorative Methods
Contextual Inquiry
Card Sorting
Diary Studies/Surveys
Directed Storytelling
Affinity Diagrams
Focus Groups
Mental Models
Personas
Paper Prototyping
Storyboarding
Use Cases
Video Sketches
Wireframing

Evaluative Methods
Think-Aloud User Studies
Heuristic Evaluation
Cognitive Walkthrough
GOMS (KLM)
Wizard of Oz
Prototyping

Programming
C   C#
C++   HTML
Java   Javascript
CSS   Flash

Design Tools
Illustrator
Photoshop
Dreamweaver
Fireworks
InDesign

Education

Masters of Human Computer Interaction, Aug. 2007
Carnegie Mellon University, Pittsburgh, PA
Cumulative GPA: 4.0

Bachelors of Arts in Computer Science, 2000-2004
Princeton University, Princeton, NJ
Cumulative GPA 3.5 | Major GPA: 3.7

Experience

Intel Corporation, Intel Labs
Interaction Designer

Oct. 2008 – Current, Santa Clara, CA

- Led user research and interaction design to showcase team's mobile context-aware technology. Resulted in partnerships with internal business groups and external companies. Increased company's awareness of and consideration for user experience.

- Conducted user research on understanding practices of sharing information in microblogging and other social systems. Findings contributed to concept development, demonstrating team's context-aware technology to both internal/external business groups. Findings also contributed to design guidelines presented at CHI '10 workshop.

- Designed user interfaces and led user research for ground truth data collection trial. Resulted in improvements in team's sensor inference technology. Also, contributed design insights about ground truth data collection to Pervasive '10 community.

Intel Corporation
Rotation Engineer Program

Oct. 2007 – Oct.2008, Santa Clara, CA

- Third rotation in Intel Research Emerging Platforms Lab: User research/design to create wearable context aware technology.
- Second rotation in Intel Research Lab Berkeley: User research/design to create mobile sensing platform to support citizen science.
- First rotation in Long Range Business Planning group: Market research/analysis on next generation user interfaces and recommendations to address upcoming technologies.

Pittsburgh Online Research Collaboration
Capstone Project Leader

Jan. 2007 – Aug. 2007, Pittsburgh, PA

- Researched, designed and prototyped a new online system that allows researchers in the Pittsburgh medical community find collaborators with appropriate skills and interests. Resulting system is currently in use in Pittsburgh.
- Conducted user research on 20+ expert users. Used findings to design a solution to improve the way researchers find and contact collaborators across disciplines. Also, provided an improved process for maintaining and outputting professional information for CVs and grant applications.

Experience (continued)

Microsoft Corporation, Windows International
Program Manager

Sept. 2005 – July 2006, Redmond, WA

- Designed and drove UI tools to open language support to customers on the Windows/.NET Framework platforms.
- Managed all components and APIs dealing with custom locales and locale-pertinent information for upcoming Windows/.NET Framework releases.

Microsoft Windows International
Software Design Engineer In Test

Summer 2003, Aug.2004 – Aug.2005, Redmond, WA

- Responsible for testing Natural Language Support components added to Windows Vista.
- Developed new testing tools/frameworks for the team
- Led test team members on worldwide release of new UI-based tool. Involved applications of C#, C, and Visual Studio .NET.

Publications

W. Willett, P. Aoki, N. Kumar, S. Subramanian, and A. Woodruff. "Common Sense Community: Scaffolding Mobile Sensing and Analysis for Novice Users." Proc. Pervasive 2010, Helsinki, Finland, May 2010, 301-318.

J.Healey, L.Nachman, S.Subramanian, J.Shahabdeen, and M.Morris. "Out of the Lab and into the Fray: Towards Modeling Emotion in Everyday Life." Proc. Pervasive 2010, Helsinki, Finland, May 2010, 156-173.

S.Subramanian, W.March. "Sharing presence: can and should your tweets be automated?" CHI 2010, Workshop on Microblogging, Atlanta, GA, April, 2010.

P.M. Aoki, R.J. Honicky, A. Mainwaring, C. Myers, E. Paulos, S. Subramanian, and A. Woodruff. "A Vehicle for Research: Using Street Sweepers to Explore the Landscape of Environmental Community Action." Proc. CHI 2009, Boston, MA, Apr. 2009, 375-384. Best paper nominee.

P.M. Aoki, R.J. Honicky, A. Mainwaring, C. Myers, E. Paulos, S. Subramanian, and A. Woodruff. "Common Sense: Mobile Environmental Sensing Platforms to Support Community Action and Citizen Science" (demonstration). Adjunct Proc. Ubicomp 2008, Seoul, Republic of Korea, Sept. 2008, 59-60.

T. Schleyer, H. Spallek, B.S. Butler, S. Subramanian, D. Weiss, M.L. Poythress, P. Rattanathikun, G. Mueller. "Facebook for scientists: requirements and services for optimizing how scientific collaborations are established". Journal of Medical Internet Research, 2008;10(3):e24.

T.Schleyer, H. Spallek, B.S. Butler, S. Subramanian, D. Weiss, M.L. Poythress, P. Rattanathikun, G. Mueller. "Requirements for expertise location systems in biomedical science and the Semantic Web." Proceedings of "Personal Identification and Collaborations: Knowledge Mediation and Extraction (PICKME)", workshop at the International Semantic Web Conference, 2008.