

Jessica K. Miller

Email: jessica@cs.washington.edu

Nationality: American

Date of Birth: July 11, 1978

For more detail, please visit my website: <http://www.cs.washington.edu/homes/jessica/>

EDUCATION

University of Washington, Master of Science in Computer Science, 2005

University of Arizona, Bachelor of Science in Computer Science (Summa Cum Laude) and Bachelor of Arts in Spanish (Summa Cum Laude), 2003

EXPERIENCE

Buy4Now Ltd., October 2007 – Present

Software Development Engineer: Design and develop web and mobile applications used in online grocery shopping solutions; applications built using Microsoft development suite

Microsoft Research, MSR Advanced Development Team, June 2004 – January 2007

Software Development Engineer (via Volt Services Group), May 2006 – January 2007:

Redesigned and developed web front-end of research prototype for public use (<http://research.microsoft.com/nec/senseweb/>); designed and developed GUI to interface with pre-existing company system for use by internal employees

Software Development Engineer (via Volt Services Group), October 2004 – October 2005:

Championed design and development of internal groupware application that is now being used Microsoft-wide (20,000+ users company-wide)

Software Development Engineer Intern, June 2004 – August 2004: Prototyped internal groupware application (web front-end, SQL database backend, email integration) to aid MSR engineers share knowledge and code

University of Washington, March 2004 – January 2007

Graduate Research Assistant, Value Sensitive Design, August 2004 – January 2007: Led research project investigating how Value Sensitive Design can be used in face-paced industry settings (http://projects.ischool.washington.edu/vsd/projects/vsd_microsoft.html); researched how to design for and implement informed consent in webmail systems; co-authored papers and book chapters

Graduate Research Assistant, UrbanSim, March 2004 – June 2004: Researched the role of credibility of an urban simulation system used in politicized and contentious situations (<http://www.urbansim.org/>); tuned MySQL database queries

University of Washington, August 2003 – March 2004

Graduate Preceptor/TA for courses on programming languages (300-level) and databases (400-level): Delivered section and substitute lectures; designed and evaluated exams, projects, and assignments; held office hours

Google, Google Print, June 2003 – August 2003

Software Engineering Intern: Designed and developed internal website used by employees to assure quality of images on Google Book Search (<http://books.google.com/>); helped prototype metadata database

The University of Arizona, τ Zaman Project, January 2003 – May 2003

Graduate Research Assistant: Implemented algorithms to format and manipulate times and dates in multiple calendars and languages (<http://www.cs.arizona.edu/projects/tau/tauZaman/>)

COMPUTING SKILLS

Development Languages: C#, Java, C, C++, Perl, Python, OCaml, MIPS, Icon, Prolog

Libraries: .NET, AWT, Swing, OpenGL, ADO.NET, JDBC, sockets

Database Technologies: SQL Server, MySQL, SQL, XML

Web Technologies: HTML, Javascript, CSS, ASP.NET, PHP, JSP, servlets, web services, Atlas/Ajax, applets, IIS, Apache

SELECTED PUBLICATIONS

Miller, J., Friedman, B., Jancke, G., Gill, B. 2007. Value Tensions in Design: The Value Sensitive Design, Development, and Appropriation of a Corporation's Groupware System. In *Proceedings of the 2007 international ACM SIGGROUP Conference on Supporting Group Work* (Sanibel Island, Florida, USA, November 04 - 07, 2007). GROUP '07. ACM Press, New York, NY.

Urgun, B., Dyreson, C., Snodgrass, R., **Miller, J.**, Kline, N., Soo, M., Jensen, C. Integrating Multiple Calendars using τ Zaman. *Software – Practice and Experience*, 37, 3 (March 2007), 267-308.

Nath, S., Liu, J., **Miller, J.**, Zhao, F., and Santanche, A. 2006. SensorMap: a web site for sensors world-wide. In *Proceedings of the 4th international Conference on Embedded Networked Sensor Systems* (Boulder, Colorado, USA, October 31 - November 03, 2006). SenSys '06. ACM Press, New York, NY, 373-374.

Friedman, B., Lin, P., **Miller, J.** 2005. Informed Consent by Design. In S. Garfinkel and L. Cranor, editors, *Designing Secure Systems That People Can Use*. O'Reilly & Associates.

LANGUAGES

English (Native), Spanish (Fluent)

REFERENCES

Available upon request