

Shirley Gaw

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Research Interests

I am interested in the combination of Human-Computer Interaction and Computer Security. My recent work applies sociological methods to computer science, emphasizing how culture and attitudes affect computer security practice and how designs could be altered to increase adoption.

Education

Princeton University

Doctorate of Philosophy Expected 2007
Master of Arts (<http://www.cs.princeton.edu/~sgaw/GeneralExam.pdf>) 4/04

University of Washington

Bachelor of Computer Engineering 6/02
Summa Cum Laude, Departmental Honors

Publications

S. Gaw and E. Felten. Password Management Strategies for Online Accounts. *Proceedings of SOUPS 2006 Symposium on Usable Privacy and Security, 2006.*

S. Gaw, E. Felten, P. Fernandez-Kelly. Secrecy, Flagging, and Paranoia: Adoption Criteria in Encrypted Email. *Proceedings of CHI 2006 Conference on Human Factors in Computing Systems.*

Awards

Princeton University Mathey College Fellow. 2003
National Science Foundation Graduate Research Fellowship. 2002
Computing Research Association Outstanding Undergraduate Award, Honorable Mention. 2002
University of Washington Society of Women Engineers Outstanding Computer Engineering Female Student. 2001

Research Experience

Graduate Research Student, Princeton University 11/05-Present
Advisor: Edward Felten
Interviewed activists to analyze adoption criteria for using encrypted e-mail. Surveyed undergraduates to quantify the extent of password reuse in online accounts and to examine how user attitudes justify reuse.

Graduate Research Student, Princeton University 1/03-10/04

Advisor: Maria Klawe.

Explored how people manage contact information for designing a digital contact book for aphasic users. Compared the user performance for two file management application with participants with and without aphasia.

Visiting Graduate Student, University of British Columbia 6/03-8/03

Advisors: Joanna McGrenere, Maria Klawe.

Investigated methods for digital image management for the Aphasia Project

Undergraduate Assistant, University of Washington 1/02-6/02

Advisor: John Zahorjan.

Implemented simulation to explore operating system support for undoing processes.

Undergraduate Assistant, University of Washington 10/00-6/01

Advisor: Steven Tanimoto.

Designed a tool to create XML representations of the database for an education software system that assesses student understanding.

Teaching Experience

Assistant Instructor, Data Structures and Algorithms Spring 2005

Teaching Assistant, Introduction to Computer Science Fall 2002

Professional Experience

Intern, Adobe Systems 6/02-8/02

Added object-oriented syntax to gSOAP, a stub/skeleton generator.

Intern, Intel Online Services 6/00-9/00

Co-lead intern team to architect and implement a tool to mimic Java Beans