

PROFESSIONAL EXPERIENCE: SOFTWARE DEVELOPMENT

University of Michigan, School of Information Studies, Ann Arbor, MI 1993–1998
Implemented graphical reasoning production system (Java / NT). Designed and prototyped end user interface for Information Technology Division timesheet project (Lotus Notes).

Member Technical Staff, Sun Microsystems, Bedford, MA 1990–1993
Contributed to the development of a distributed information management product: Developed user interface for collection management in networked client/server search and retrieval product with work-group features (C++ / Solaris / OpenLook / Unix). Designed and implemented related client and server semantics. Participated in product design with a focus on work-group features; worked collaboratively on user interface design.

Software Engineer, Mirror Systems, Cambridge, MA 1987–1990
Contributed to the development of an automated legal document preparation system. Designed and developed graphical user interface, module structure and database for question authoring module of networked legal document system (C, Win3.1 / DOS).

Project Leader, Lisp Machine, Inc., Cambridge, MA 1985–1986
Designed and developed prototype mixed-initiative intelligent computer-aided instruction/help hypertext system (Zetalisp / Lisp Machine).

PROFESSIONAL EXPERIENCE: SOCIAL SCIENCE RESEARCH

Postdoctoral Research Associate, Syracuse University, Syracuse, NY 2011–2013
Project management for research proposal development efforts, working closely with faculty in the areas of eScience and Big Data. Researching topical backgrounds, writing, editing, and team coordination; locating funding opportunities, forming and managing large collaborative research proposal development teams.

Postdoctoral Research Fellow, Vanderbilt University, Nashville, TN 2010–2011
Collected and analyzed data, and coordinated day-to-day aspects of NSF-funded research project focused on information sharing practices and inter-organizational relationships of federal, state and local government agencies involved in DHS Fusion Centers.

Research Sociologist, The MITRE Corporation, Bedford, MA 2004–2010
Principal Investigator on several internally-funded research efforts, collaborative with researchers from MIT and Bentley University, studying social and organizational implications of systems engineering projects involving government agencies.

Field Studies: Usage of Collaboration and Information Technologies 1992–2004
Research methods: document analysis, interviews, participant observation and surveys.
Sponsors: DARPA, Lotus Development, Lotus Research, Mellon Foundation, MITRE, Sun Microsystems, University of Michigan.