

## B. SUSAN FITZPATRICK

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### ANALYST

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Analyst with over twenty years experience supporting evaluation and research activities through data collection, integration and analysis. Experience includes project management, requirements definition, system development and implementation, documentation and ad hoc reporting.

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### CAREER PROGRESSION

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**University of Illinois at Springfield** (2006 - present)  
**Visiting Research Specialist**

Visiting Research Specialist under contract to the Illinois Department of Transportation to conduct research linking crash records with other administrative data files, including health care files from the Illinois Department of Public Health. Responsibilities include analysis of source data files, application of probabilistic linkage strategies to link crash and health care records, analysis of results of linked data (including use of multiple imputation for missing values), and preparation of reports and presentations describing results of analysis.

Technology used: SAS, CODES2000, Microsoft products (Word, Excel, Access, PowerPoint)

**Passavant Area Hospital, Jacksonville, IL** (2004 - 2006)  
**Decision Support Coordinator**

Decision Support Coordinator reporting to the Chief Financial Officer. Primary responsibilities involve developing applications to retrieve data from operational systems, presenting integrated information to department heads, providing training on the use and interpretation of information, and assisting others with decision support tools. Additional responsibilities include assisting in the preparation of budgets, monitoring performance against budgets and analyzing profitability of managed care products.

Technology used: Trendstar Decision Support System, Horizon Business Insight, API 's Actuate Tool, ACTION O-I, Microsoft products (Word, Excel, Access)

**EntrePro Corporation, La Jolla, CA** (2003 - 2004)  
**Subject Matter Expert**

Subject Matter Expert for the development of Parallel Matcher. Parallel Matcher is a data matching tool that solves the basic problem of correctly linking records that represent the same object, whether that object is an individual, address or business. Responsibilities included participation in the establishment of the infrastructure for the development of the matching product and assisting in the design and functional test of the matching product.

Technology used: Microsoft products (Word, Excel, PowerPoint, Project)

**IL Department of Human Services, Springfield, IL**  
**Senior Public Service Administrator**

(1989 - 2002)

Lead Business Analyst for the development of an enterprise-wide data warehouse using OLAP technology for data delivery from 1997 to 2002. Served as a member of a three-member project management team for the planning and administration of the DHS Data Warehouse. Established and led a data analysis work group responsible for evaluating data quality and mapping source to target variables. Established and led a data delivery work group responsible for the evaluation and selection of software and the development of various information products.

Technology used: SQL against DB2/6000 EEE tables in UNIX (IBM/RS6000); SAS in UNIX (IBM/RS6000) and MVS (OS/390); Cognos' Transformer for building PowerPlay cubes; Microsoft products (Word, Excel, PowerPoint, Project) on NT Workstation.

Manager of the Information Management Section within the Bureau of Program Design and Evaluation from 1989 to 1999 when temporarily assigned full-time to the DHS Data Warehouse project.

- Managed data collection and reporting activities for department staff and outside evaluation contractors. Coordinated the procurement, analysis and reporting of data needed for development, implementation, management and evaluation of pilot projects and demonstrations.
- Directed the development and implementation of a system to efficiently track and extract records from many administrative files to support various welfare reform demonstrations and evaluations.
- Directed the activities of professional staff charged with the development, testing and implementation of automated management information and data collection systems. Served on a technical workgroup for an inter-agency system to measure the performance of Illinois workforce preparation agencies.
- Managed the production of ad hoc reports and analyses in response to upper management needs for information that was otherwise unavailable. Developed complex mechanisms to procure and analyze data and formulated interpretive reports, memoranda and letters.
- Provided oversight for the provision of technical assistance to staff on data processing and the use of computer resources.

Technology used: SAS in Windows and MVS (OS/390); Microsoft products (Word, Excel, PowerPoint, Project, Access); WordPerfect, MultiMate, Lotus 123, Wang

**IL Department of Commerce and Community Affairs, Springfield, IL**  
**Management System Specialist**

(1979 - 1989)

Evaluated employment and training demonstration programs. Completed data retrieval and analysis to support research and evaluation efforts. Prepared periodic and final reports on evaluation results.

Coordinated the design and development of information systems for employment and training programs by analyzing policy options, coordinating the formation of a Development Group, defining and documenting user requirements, conducting system testing, and developing conversion requirements.

Provided technical assistance to others in the preparation of information systems. Evaluated the effectiveness and impact of various information systems. Provided direction, guidance and training to staff responsible for the delivery of technical assistance.

Technology used: SAS in MVS (OS/390); SPSS, Easytrieve, Fortran, VS Basic, Lotus 123

**IL Department of Personnel  
Personnel Analyst**

**(1976 - 1979)**

Developed and validated selection instruments in accordance with federal guidelines. Acted as lead worker to analysts/technicians for test development and validation. Provided technical assistance to local governments. Developed and modified programs for data analysis.

Technology used: Fortran

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**EDUCATION**

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**University of Illinois, Springfield, IL**

Completed 32 hours in Management Information Systems and other subjects

**Various Training Organizations and Software Companies**

Completed numerous introductory and advanced short-term courses in systems analysis and a variety of software products.

**Southern Illinois University, Carbondale, IL**

B.A. in Psychology

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**AFFILIATIONS**

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Former Member of Board of the Central Illinois SAS Users Group

Former Member of Board of Central Illinois OLAP Users Group