

DOUGLAS P. SHARP, Ph.D.

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EDUCATION

GIS Certificate in Geospatial Analysis and Visualization (May 2010)
University of Illinois at Chicago - College of Urban Planning and Public Affairs

Project for Intro to GIS:
Spatial Analysis of a Rental Improvement Fund for the 49th Ward of Chicago using
ArcGIS

Ph.D. - Civil Engineering / Environmental Systems Engineering
University of Pittsburgh - School of Engineering

Dissertation:
Forecasts of Automobile Ownership and Use Based on Household Lifestyle Factors

M.U.R.P. - Master of Urban and Regional Planning
**University of Pittsburgh - Graduate School of Public and
International Affairs**

Masters thesis:
DEMOG - A Demographic Model of the Pittsburgh Region using Age Specific Migration
Rates

B.A. - Physics
Colgate University

EXPERIENCE

- 1999-2009 PURDUE UNIVERSITY CALUMET**
Assistant Vice Chancellor for Information and Instructional Technology
- ❖ Served as leader of the campus's central IT organization.
 - ❖ Taught courses in Statistics.
- 1995-1999** Director of User Support Services
- ❖ Managed campus IT support services organization.
 - ❖ Taught courses in Statistics and Computer Information Systems.
- 1990-1995 La ROCHE COLLEGE**
Director of Computing Services
- ❖ Managed campus Computing Services Department.
 - ❖ Managed Informix based campus information system
 - ❖ Taught courses in Computer Information Systems.

- 1984-1990 PC/INFORMATION SPECIALISTS**
Owner / Manager
- ❖ Managed consulting company providing software development and training services to businesses in Pittsburgh.
 - ❖ Developed database applications using PC-based rdbms software.
 - ❖ Trained adults in the use of software at University of Pittsburgh's Computer Learning Center.
- 1981-1984 US STEEL CORPORATION**
Project Leader
- ❖ Maintained and evolved the FORTRAN based corporate planning model for use by managers at the US Steel plants.
 - ❖ Developed a production forecasting system that could be maintained by end users.
 - ❖ Interfaced a linear programming model to the corporate planning model.
- 1980-1981 ALLEGHENY COUNTY PLANNING DEPARTMENT**
Manager, Research and Data Bureau
- ❖ Developed a methodology for digitizing land use and natural resources data for use with a storm water simulation model.
 - ❖ Completed an analysis of the preliminary data from the 1980 Census.
 - ❖ Developed a metropolitan population projection model and a related battery of demographic analysis programs.
- 1978-1980 CONSAD Research Corporation**
Senior Research Analyst
- ❖ Led the Assessment of Evacuation Times for the Area Surrounding the Indian Point Nuclear Power Plant project for the Federal Emergency Management Agency.
 - ❖ Led a Risk Assessment of Hazardous Materials Transported by Rail for the US Department of Transportation's Transportation System Center.
 - ❖ Conducted training in decision support systems for administrators in the regional offices of the US Environmental Protection Agency.

References available upon request