

THOMAS J. KOTEK

Environmental Health Risk Section
Environmental Assessment Division
Argonne National Laboratory

Education:

- M.S. Illinois Institute of Technology, Computer Science, 1985
- University of Michigan, Biophysics graduate study, 1969-1971
- B.S. St. Procopius College, Lisle, IL, Physics, 1965

Professional Experience:

1994-Present Internet/Env Data Systems Programmer
Environmental Assessment Division
Argonne National Laboratory

Develop database-driven web applications using various development tools: Cold Fusion, Dreamweaver, Fireworks, Active Server Pages, HTML, XML, JavaScript. Design and develop data management applications for Oracle DBMS, MS SQL Server and MS Access database management systems. Develop complex, web-based surveys using metadata design tool for the DHS Chemical Security Assessment Tool. Develop computational modeling applications and management decision systems using PC based development software: Visual Basic, Fortran and Java. Developed document repository application for display and manipulation of virtual file directory structures through web browsers. Developed management decision system for Depleted Uranium Hexafluoride (DUF₆) cylinder management. Developed application for computational modeling of waste volume, waste contaminant flows, and contaminant emissions for the DOE Waste Management Programmatic Environmental Impact Statement (WM-PEIS).

Summary of Previous Experience:

1972-1993 Data Processing Manager
Environmental Research Division
Argonne National Laboratory

Designed and maintained environmental and epidemiological project databases. Designed databases for human health studies using SAS, ORACLE, dBASE, Fortran and PL/1 development software. Supervised scientific assistants and clerical staff for health study subject contacts and data collection. Developed real time applications for data acquisitions.

1965-1969 Computer Programmer
 High Energy Physics Division
 Argonne National Laboratory

Maintained and enhanced large Fortran programs for the analysis of high energy physics data. Developed real time application for digitizing bubble chamber photographs.

Research Interests:

Database design

Professional Activities:

Association for Computing Machinery

Publications:

Author or co-author of 13 journal, report, and conference publications.