

Wes Cheng

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EXPERIENCE

President, GreatWay Consulting, Inc., Chicago, IL May 1999 to Present

Practice areas include Information Technology Consulting, Custom Software, Databases, CAD, CAFM, GIS and WEB integration. Projects include

- Migration of Parcel Maintenance Application from ArcGIS 8.3 to 9.2 for Cook County, Illinois
- Design, implementation and maintenance of **Capital Improvement Program (CIP) Database** for Chicago Public Schools (CPS)
- Design, implementation and maintenance of **Asbestos Surveillance Database** for CPS
- Design, implementation and maintenance of **Recycling Database** for CPS
- Design, implementation and maintenance of **Facility Assessment Database** for CPS
- Design and implementation of a Building and Fire Code Violation Tracking Database for CPS
- Design and implementation of a Lab Tracking Database for Carnow, Conibear & Associates, LTD.
- Consultation for Detroit Public Schools Program Management Team

Director of Operations, Computerized Facility Integration, LLC. Chicago, IL October 1998 to May 1999

Responsible for delivering \$6 million projects annually. In charge of five technical departments, CIFM, EDM, GIS, CAD and Integration. Coordinated IS, sales and administrative activities.

Director of Programming Services, Computerized Facility Integration, LLC. Chicago, IL June 1997 to October 1998

Responsible for directing all the software development efforts and starting and running a new GIS Business Unit within the company. Responsibilities included business development, proposal generation, supervising software design and implementation, coordinating task assignment, resource allocation, recruiting, training, education and reviewing performance of staff. Major projects included

- Kodak Eastman Drawing Migration
- Designed and Implemented pilot projects for Northern Indiana Public Service Company's (NIPSCO) GIS by converting its Engineering Record Department's paper drawings and legacy mainframe database into an AutoCAD Map and Autodesk MapGuide web-enabled system. Company-wide conversion and deployment is anticipated in 1998.
- NIPSCO Facility Management System and Computerized Maintenance Management System

**Director of Software Development, System Development/Integration, Inc. Chicago, IL
January 1995 to June 1997**

Responsible for directing all the software development efforts within the Information Services Division.

Responsibilities included proposal generation, supervising software design and implementation, coordinating task assignment, resource allocation, recruiting, training, education and reviewing performance of staff. Projects included

- Designed and implemented NICOR's Billing / Gas Management / Customer Management System, a Windows-UNIX client-server Oracle application. The project was developed in Borland C++ and Delphi.
- Designed and supervised the implementation of the company's Intranet Web Serve using HTML, JAVA and CGI.
- Consulted American Cancer Society Illinois Division on the integration of its donors' database system, a Windows NT based client-server Oracle application, and a geographic information system (GIS).
- Consulted Northern Illinois Gas on the design and implementation of its atlas page database and graphic viewer system, a Windows based client-server Paradox and PowerBuilder application.
- Designed and implemented GIS mapping and geocoding modules as an integral part of the Rapid Parking Management System of Electronic Data Systems Corporation (EDS), a Windows based client-server Oracle application. The module was developed in ArcView and Windows environment using ArcView Avenue, Microsoft Visual C++ and PowerBuilder.
- Designed and implemented the Facility Tracking System of Rush Presbyterian-St. Luke's Medical Center, a Windows based client-server Sybase application. The project was developed in Microsoft Visual C++ and AutoCAD Development System (ADS).

**Project Manager/Senior Technical Lead, The Premisys Corporation, Chicago, IL
September 1991 to January 1995**

- Designed and implemented a major mechanical equipment manufacturer's business database and electronic order submittal system in a client-server environment. Programming tools included Borland C++ and ADS. Databases included Oracle for the server and Watcom for the clients.
- Designed and implemented the graphical user interface (GUI) for IBM Architectural & Engineering Series (A&ES), an RS6000 AIX and X Windows Motif based CAD system.
- Designed GUI for Squiggle, a Windows based utility software to "soften" straight lines in HPGL plot files.
- Designed and implemented Marvin Design System for Windows, an electronic catalog, rule-based product design and evaluation and order entry system. Programming tools included Borland C, Watcom C, Windows SDK and ADS. The project was the winner of 1994 Microsoft Open Award.

**Software Engineer, SPSS, Inc. Chicago, IL
November 1990 to August 1991**

- Designed and implemented the Data Editor module of SPSS for Windows, a statistical analysis package. Programming tools included Microsoft C Windows SDK and XVT.

**Senior Programmer, Skidmore Owings & Merrill, Chicago, IL
October 1987 to October 1990**

- Software design, programming, testing and technical support for the IBM-SOM joint venture CAD system, IBM A&ES. Specialized in GUI, graphics, graphic database and modeling. The project was developed in C, RS6000, AIX and X Windows Motif environment.

CAD Manager, The Architectural Forum, Inc. Columbus, OH

February 1985 to October 1987

- Managed CAD operations, trained CAD operators and customized software. System environment: PC, DOS, VersaCAD.

Research Assistant, Architecture Research Lab, University of Michigan

September 1984 to December 1984

- Research area included computer modeling and expert systems in architecture. Programming environment: Pascal, FORTRAN, MTS (Michigan Terminal System), Amdhal.

Research Assistant, Architectural Modeling System, The Ohio State University

September 1983 to August 1994

- Research area included computer-aided design, drafting and modeling systems and space planning programs. Programming environment: FORTRAN, Basic, OS/360, VMS, DOS, Amdhal, IBM 4341, PC.

SPECIFIC AREAS OF EXPERIENCE AND EXPERTISE:

Hardware Platforms/Operating Systems:

- PC: DOS, Microsoft Windows
- UNIX: IBM AIX
- Mainframe: OS/360, VMS, IBM 4341

Programming Languages/Tools:

- C/C++ (MS Visual C++ and Borland C++)
- Visual Basic
- PowerBuilder
- Delphi
- FORTRAN
- Pascal
- IBM 360 Assembler Language
- Windows Software Development Kit (SDK)
- XVT
- Java
- HTML
- SQL
- UNIX Scripts
- X Windows, Motif
- MicroStation Development Language (MDL)
- ArcView Avenue
- SmallWorld Magik

Application Packages

- AutoCAD
- AutoCAD Map
- Autodesk MapGuide
- MicroStation
- Various spreadsheet, word processor, database, presentation and graphics/imaging packages
- IBM A&ES
- ArcView
- SmallWorld

EDUCATION

M. Arch. Specialized in Computer-Aided Design Software System Development, The Ohio State University, 1984

M. City and Regional Planning, The Ohio State University, 1982

B. Arch. Chung-Yuan College, Taiwan, 1978