

The Dynamic Object Oriented Model: A Criteria Driven Approach to the Development of a Conceptual Data Model.

III. Prior Experience not in Education

1982-2007 Self employed computing consultant. Performed systems analysis, design, and programming; designed and implemented relational database systems; installed and maintained internet sites and local area networks. Designed professional and data base driven web sites.

1994-1998 Served on the Board of Directors of the PSU Bookstore Cooperative. Served 2 years as Chairman, made significant changes to the management of a \$9M a year business.

1984-1986 Graduate Research Assistant, Department of Information Systems and Management Sciences, The University of Texas at Arlington.

1976-1982 Petty Officer, US. Navy. Certified Nuclear Power Operator, Certified Engineering Laboratory Technician, Certified Damage Control Petty Officer. Honorable Discharge.

IV. Professional memberships (include offices held)

Decision Sciences Institute

Certified Systems Professional

Association for Systems Management

- Served on the Board of Directors for the Portland Chapter of the Association for Systems Managers (1990-1991).
- Served as Liaison for the student chapter of ASM to the Portland Chapter of the Association for Systems Managers, 1993.

Society for Information Managers

- Served as Vice-Chairman for the Portland Chapter of the Society for Information Managers (1992-93). In this capacity I developed a panel of Portland information managers who aided in the development of a new curriculum for PSU undergraduate IS degree.

The Association for Systems Information

V. Professional meetings attended (include dates)

Decision Sciences Institute Annual Meeting, Boston, Massachusetts, Nov. 20 - 23, 2004.

Midwest Decision Sciences Institute Annual Meeting, Cleveland, Ohio, April 15-17, 2004.

Southwest Region of the Decision Sciences Institute, San Antonio, TX, March 2000

Decision Sciences Institute, Honolulu, HI, November, 1994.

Southwest Region of the Decision Sciences Institute, New Orleans, LA, March 1993.

Decision Sciences Institute, San Francisco, CA, 1992.

Western Decision Sciences Institute Conference, Reno, NV, 1992.

Decision Sciences Institute, Miami Beach, FL, 1991.

Structured Development Forum XII, Portland, OR, 1991.

Western Decision Sciences Institute Conference, Lihue, Kauai, HI, 1991.

Decision Sciences Institute, San Diego, CA, 1990.

Excelsior and CASE in the Classroom and Research Lab, New Orleans, LA, 1990.

Western Decision Sciences Institute Conference, Vancouver, B.C., 1990.

Decision Sciences Institute, New Orleans, LA, 1989.

Excelsior and CASE in the Classroom and Research Lab, San Diego, CA, 1989.

Symposium on the Interface: Computing Science and Statistics, Reston, VA, April 1988.

Decision Sciences Institute, Boston, Massachusetts, 1987.

VI. Papers presented (include dates)

(With Carol Jeffries, and Nick Flores) "Addressing Conflicts in ISO 9000 and ISO 17799," 2004 Proceedings: Decision Sciences Institute Annual Meeting, Nov. 20 - 23, 2004, Boston, Massachusetts.

(With Nick Flores) "Security Lab: Learning How ID Cards Work," 2004 Proceedings: Decision Sciences Institute Annual Meeting, Nov. 20 - 23, 2004, Boston, Massachusetts.

"Quality Vs. Security: Conflicts in ISO 9000 and ISO 17799," 2004 Proceedings: Midwest Decision Sciences Institute Annual Meeting, April 15-17, 2004, Cleveland, Ohio.

(With Carol Jeffries, Robert August, & David Zolzer) "Implementing Electronic Commerce Degree Programs," Proceedings of the 2000 Annual Meeting of the Southwest Region of the Decision Sciences Institute, San Antonio, TX, March 2000.

"Preferred Information Systems Skills: A Multi-Regional Study of Current and Future Needs", Proceedings of the Decision Sciences Institute, Honolulu, HI, November, 1994.

"A Model of Information Systems Quality", Proceedings of the Decision Sciences Institute, Honolulu, HI, November, 1994.

"Preferred Information Systems Skills", Proceedings of the 1993 Annual Meeting of the Southwest Region of the Decision Sciences Institute, New Orleans, LA, March 1993.

"Modeling Bond Yield Spreads with Neural Networks", Proceedings of the Decision Sciences Institute, San Francisco, CA, 1992.

"MIS Issues for the 1990's", Proceedings of the Decision Sciences Institute, San Francisco, CA,

1992.

"Conceptual Application of Total Quality Management (TQM) to the Systems Development Lifecycle (SDLC)", Proceedings of the Decision Sciences Institute, San Francisco, CA, 1992.

"Evaluating Backpropagation Architecture and Parameters in Determining Risk Premia for Newly Issued Corporate Bonds", Proceedings of the Decision Sciences Institute, San Francisco, CA, 1992.

"A Framework for Evaluation of Information System Strategic Planning Methodologies", Proceedings of the Western Decision Sciences Institute Conference, Reno, NV, 1992.

"Using CASE to Illustrate Enterprise Modeling," Proceedings of the Decision Sciences Institute, Miami Beach, FL, 1991.

"Development of a Basic Object-Oriented Semantic Modeling Methodology," Proceedings of the Decision Sciences Institute, Miami Beach, FL, 1991.

"An Object-Oriented Data Modeling Methodology," Structured Development Forum XII, Portland, OR, 1991.

"The Truth About Information Engineering," Structured Development Forum XII, Portland, OR, 1991.

"Demonstrating Strategic Planning in a Data Base Management Course", Proceedings of the Western Decision Sciences Institute Conference, Lihue, Kauai, HI, 1991.

"Capturing Relationship Properties in an Object Oriented Modeling Methodology", Proceedings of the Western Decision Sciences Institute Conference, Lihue, Kauai, HI, 1991.

"Evaluation of Conceptual Data Models in Data Administration," Proceedings of the Decision Sciences Institute, San Diego, CA, 1990.

"Linear Programming Approaches to Statistical Problems" Proceedings of the Decision Sciences Institute, San Diego, CA, 1990.

"Using PC Prism to Demonstrate Strategic Data Planning in a Data Management Course," Excelsator and CASE in the Classroom and Research Lab, New Orleans, LA, 1990.

"Excelsator in a Nine-Month System Development Curriculum," Excelsator and CASE in the Classroom and Research Lab, New Orleans, LA, 1990.

"An Extended Information Systems Development Curriculum Using CASE Tools to Support Client Needs", Proceedings of the Western Decision Sciences Institute Conference, Vancouver, B.C., 1990.

"Simulated Linear Systems with Stochastic Constraints", Proceedings of the Western Decision Sciences Institute Conference, Vancouver, B.C., 1990.

"A Strategy for Database Planning," Proceedings of the Decision Sciences Institute, New Orleans, LA, 1989.

"A Development of Criteria for Conceptual Data Modeling," Proceedings of the Decision Sciences Institute, New Orleans, LA, 1989.

"Expanding the Use of Case Tools in an Expanding Curriculum," Excelerator and CASE in the Classroom and Research Lab, San Diego, CA, 1989.

"An Alternate Methodology for Subject Database Planning," Proceedings of the Symposium on the Interface: Computing Science and Statistics, Reston, VA, April 1988.

"The Effects of Heavy Tailed Distributions on the Two-Sided k-Sample Smirnov Test," Proceedings of the Symposium on the Interface: Computing Science and Statistics, Reston, VA, April 1988.

"An Approach for Generation of Two Variable Sets with a Specified Correlation and First and Second Sample Moments," Proceedings of the Symposium on the Interface: Computing Science and Statistics, Reston, VA, April 1988.

"Bias in LP Solutions with a Stochastic Constraint: A Simulation," Proceedings of the Decision Sciences Institute, Boston, Massachusetts, 1987.

VII. Publications

Books:

(With G. Hall & M. Wheeler) **Excelerating Systems Analysis and Design**, Boyd & Frasier, Danvers, Massachusetts, Jan. 1992.

(With G. Hall & M. Wheeler) **Exploring OS/2 2.0**, Boyd & Frasier, Danvers, Massachusetts, 1993.

(With M. Wheeler) **Exploring Windows for Workgroups**, Boyd & Frasier, Danvers, Massachusetts, 1994.

(With G. Hall & M. Wheeler) **Exploring OS/2 2.1**, Boyd & Frasier, Danvers, Massachusetts, 1994.

(With M. Wheeler) **Working with Windows for Workgroups**, Boyd & Frasier, Danvers, Massachusetts, 1994.

Articles & Proceedings:

(With Carol Jeffries, and Robert August) "Integrating IT 2005 with NSA Security Program Standards," 2005 Proceedings: ISECON, Oct. 6 - 9, 2005, Columbus, Ohio.

(With Carol Jeffries, and Nick Flores) "Addressing Conflicts in ISO 9000 and ISO 17799," 2004 Proceedings: Decision Sciences Institute Annual Meeting, Nov. 20 - 23, 2004, Boston, Massachusetts.

(With Nick Flores) "Security Lab: Learning How ID Cards Work," 2004 Proceedings: Decision Sciences Institute Annual Meeting, Nov. 20 - 23, 2004, Boston, Massachusetts.

"Quality Vs. Security: Conflicts in ISO 9000 and ISO 17799," 2004 Proceedings: Midwest Decision Sciences Institute Annual Meeting, April 15-17, 2004, Cleveland, Ohio.

(With Mary Whiteside, Mark Eakin, and Byoung Choi) "Modified Chance Constrained Linear Programming Under Uncertainty," Journal of Statistical Computation & Simulation, Vol. 67, No. 3, 2000.

(With Carol Jeffries, Robert August, & David Zolzer) "Implementing Electronic Commerce Degree Programs," Proceedings of the 2000 Annual Meeting of the Southwest Region of the Decision Sciences Institute, San Antonio, TX, March 2000.

(With A. Chmura) "Tools to Align Goals and Information Systems?," IEEE Software, Vol. 12, No. 3, May, 1995.

(With A. Chmura) "What's the Proper Role for CASE Tools?," IEEE Software, Vol. 12, No. 2, March, 1995.

(With M. M. Whiteside, M.Eakin, and B., Choi) "Stability of Linear Programming Solutions Using Regression Coefficients", Journal of Statistical Computation and Simulation Vol. 50, pp.131-146, 1994.

(With M. Neumann & C. Jeffries), "Preferred Information Systems Skills: A Multi-Regional Study of Current and Future Needs", Proceedings of the Decision Sciences Institute, Honolulu, HI, November, 1994.

(With G. Hall), "A Model of Information Systems Quality", Proceedings of the Decision Sciences Institute, Honolulu, HI, November, 1994.

(With G. Hall, and C. Jeffries) "Preferred Information Systems Skills: Are Undergraduate IS Programs Serving Their Markets?," Interface, Summer 1993, Vol. 15, Issue 2.

(With C. Jeffries) "Preferred Information Systems Skills", Proceedings of the 1993 Annual Meeting of the Southwest Region of the Decision Sciences Institute, New Orleans, LA, March 1993.

(With B. Fuller & G. Thompson), "Modelling Bond Yield Spreads with Neural Networks", Proceedings of the Decision Sciences Institute, San Francisco, CA, 1992.

(With M. Wheeler & G. Hall), "MIS Issues for the 1990's", Proceedings of the Decision Sciences Institute, San Francisco, CA, 1992.

(With M. Wheeler & G. Hall), "Conceptual Application of Total Quality Management (TQM) to the Systems Development Lifecycle (SDLC)", Proceedings of the Decision Sciences Institute, San Francisco, CA, 1992.

(With B. Fuller & R. Morrison), "Evaluating Backpropagation Architecture and Parameters in Determining Risk Premia for Newly Issued Corporate Bonds", Proceedings of the Decision Sciences Institute, San Francisco, CA, 1992.

(With A. Chmura), "A Framework for Evaluation of Information System Strategic Planning Methodologies", Proceedings of the Western Decision Sciences Institute Conference, Reno, NV, 1992.

(With C. Slinkman and J. Guynes) "A Framework for the Development of Conceptual Data Modeling Techniques," Information and Software Technology, Vol.33, No. 2, March, 1991.

(With A. Chmura) "Using CASE to Illustrate Enterprise Modeling," Proceedings of the Decision Sciences Institute, Miami Beach, FL, 1991.

(With C. Jeffries) "Development of a Basic Object-Oriented Semantic Modeling Methodology," Proceedings of the Decision Sciences Institute, Miami Beach, FL, 1991.

(With A. Chmura) "An Object-Oriented Data Modeling Methodology," Structured Development Forum XII, Portland, OR, 1991.

(With A. Chmura) "The Truth About Information Engineering," Structured Development Forum XII, Portland, OR, 1991.

"Demonstrating Strategic Planning in a Data Base Management Course", Proceedings of the Western Decision Sciences Institute Conference, Lihue, Kauai, HI, 1991.

"Capturing Relationship Properties in an Object Oriented Modeling Methodology", Proceedings of the Western Decision Sciences Institute Conference, Lihue, Kauai, HI, 1991.

(With C. Jeffries) "Evaluation of Conceptual Data Models in Data Administration," Proceedings of the Decision Sciences Institute, San Diego, CA, 1990.

(With M. Kawaja) "Linear Programming Approaches to Statistical Problems" Proceedings of the Decision Sciences Institute, San Diego, CA, 1990.

(With A. Chmura) "Using PC Prism to Demonstrate Strategic Data Planning in a Data Management Course," Excelsator and CASE in the Classroom and Research Lab, New Orleans, LA, 1990.

(With A. Chmura) "Excelsator in a Nine-Month System Development Curriculum," Excelsator and CASE in the Classroom and Research Lab, New Orleans, LA, 1990.

(With A. Chmura) "An Extended Information Systems Development Curriculum Using CASE Tools to Support Client Needs", Proceedings of the Western Decision Sciences Institute Conference, Vancouver, B.C., 1990.

(With M. M. Whiteside, M. E. Eakin and B. Choi) "Simulated Linear Systems with Stochastic Constraints", Proceedings of the Western Decision Sciences Institute Conference, Vancouver, B.C., 1990.

(With C. W. Slinkman and M. E. Eakin), "A Strategy for Database Planning," Proceedings of the Decision Sciences Institute, New Orleans, LA, 1989.

(With R. W. Brobst and J. Guynes), "A Development of Criteria for Conceptual Data Modeling," Proceedings of the Decision Sciences Institute, New Orleans, LA, 1989.

(With A. Chmura) "Expanding the Use of Case Tools in an Expanding Curriculum," Excelerator and CASE in the Classroom and Research Lab, San Diego, CA, 1989.

(With M. M. Whiteside and M. E. Eakin) "The K-Sample Smirnov Test: Power in the Presence of Kurtosis," Proceedings of the Decision Sciences Institute, Las Vegas, NV, 1988.

(With C. W. Slinkman & M. E. Eakin) "An Alternate Methodology for Subject Database Planning," Proceedings of the Symposium on the Interface: Computing Science and Statistics, Reston, VA, April 1988.

(With M. M. Whiteside) "The Effects of Heavy Tailed Distributions on the Two-Sided k-Sample Smirnov Test," Proceedings of the Symposium on the Interface: Computing Science and Statistics, Reston, VA, April 1988.

(With M. E. Eakin) "An Approach for Generation of Two Variable Sets with a Specified Correlation and First and Second Sample Moments," Proceedings of the Symposium on the Interface: Computing Science and Statistics, Reston, VA, April 1988.

(With M. M. Whiteside and M. E. Eakin) "Bias in LP Solutions with a Stochastic Constraint: A Simulation," Proceedings of the Decision Sciences Institute, Boston, Massachusetts, 1987.

(With M. M. Whiteside) "Stochastic Models for Employee Compensation," Proceedings of the Decision Sciences Institute, Honolulu, HI, 1986.

(With M. M. Whiteside) "The Interface Between Multiple Regression and Linear Programming," Proceedings of the Statistical Computing Section of the American Statistical Association, Chicago, IL, 1986.

"Target," H. David Crockett, Basic Computer Games, David Hall, Ed., Creative Computing - Workman Publishing, 1978.

"Computer Composes Poetry in 4-Part Harmony", H. David Crockett. 101 Basic Computer Games, David Hall Ed., Digital Equipment Corporation, 1973.

"Destroy a Target in 3-D Space", H. David Crockett. . 101 Basic Computer Games, David Hall Ed., Digital Equipment Corporation, 1973.

VIII. Other research activity

Ph.D Dissertation Committees:

Chairman for:

Ron Morrison, "Evaluating the Effectiveness of CASE in Improving the Quality of End-User Documentation", (completed August 1993).

Committee Member for:

Muhannad Kawaja, "Mathematical Programming Approaches to the Discriminant Problem: A Comparative Investigation", (completed March 1991).

David Todd, "The Pursuit of Information-Based Competitive Advantage: A Multiple Perspectives Exploration of a Model of the Strategic Planning Process", (completed 1996).

Leslie Morehead, "Determining the Limits of Validation in Problem Solving Systems", (completed 1997).

Alan Zieber, "A Practical Approach for Rational Decision Making in Potential Strike Situations: A Decision Analysis Model", (completed 1998).

IX. Consulting

1982-2005 - Self employed computing consultant. Setup websites for profit and not-for-profit businesses. Performed systems analysis, design, and programming; designed and implemented relational database systems; installed and maintained local area networks. Purchased workstations and servers for networks. Updated PC hardware and software components. Setup and installed PC operating systems, network operating systems, and applications for small businesses.

X. Professional growth activities

Courses Taken for Professional Development:

E-commerce 2000 Conference, San Antonio, May 11-12 2000.

Workforce 2000 UNIX administration and use course, Fall 1995.

Texas Instruments' IEF Certificate of Achievement: Rapid Skills Development Workshop 1, August 1993.

Texas Instruments' IEF Certificate of Achievement: Rapid Skills Development Workshop 2, August 1993.

Quality Enhancement Seminars Certificate of Completion, Dr. Ed Deming's Management course, June 1993.

Microsoft University Certificate: LAN Manager for Network Administrators, Sept. 1992.

ADR Certificate of Achievement: IDEAL-ESCORT Programming, March 1988.

ADR Certificate of Achievement: Application Programming for ADR/DATACOM/DB, February 1988.

ADR Certificate of Achievement: DATACOM/DB Data Base Design, August 1987.

ADR Certificate of Achievement: Data Dictionary Administrator, July 1987.

ADR Certificate of Achievement: ADR/IDEAL Application Programming, July 1987.

ADR Certificate of Achievement: Introduction to ADR/IDEAL, July 1987.

XI. Seminars, training programs, etc., conducted for business and industry

Panel presentation with Robert August, David Zolzer, and Dr. Carol Jeffries accepted ACBSP Annual Conference in Las Vegas, Nevada in June, 2000

Seminar developed with Robert August and David Zolzer for presentation to managers at USAA: Electronic Commerce Management for Leading Edge Organizations. Seminar was presented October 1998 and January 1999. See: <http://linus.ollusa.edu/usaa/>.

XII. Professional presentations, speeches, etc.

Presentation to the Giffen, Mesher, and Company's Alumni Function, "The Impact that Tomorrow's Technology Has on Today's Business Environment," December, 1995.

Presentation to the Computer Services Conference for the Oregon Society of CPA's, "Technology Today and Tomorrow and How It Effects You," October, 1995.

Presentation to the Board of the Oregon Society of CPA's, "The Future of Technology & Its Impact on CPAs," October, 1994.

Presentation to the Computer Services Conference for the Oregon Society of CPA's, "Office Productivity - The 90's and Beyond," October, 1994.

Presentation to the Management Consulting/Computer Services Conference for the Oregon Society of CPA's, "What's New in Computer Hardware/Software for Consultants," September, 1994.

Presentation to the Accounting and Auditing Conference for the Oregon Society of CPA's, "Future Issues: The Profession and the Workplace," June, 1994.

Presentation to the Management Consulting/Computer Services Conference for the Oregon Society of CPA's, "New Tools for Management Reporting- Avoiding 'Garbage Out' " October, 1993.

Presentation to the Oregon Society of CPA's Computing in Accounting Conference, "Purchasing Hardware, Software, and Networking in the 90's," October 1992.

XIII. Institutional services performed

Administrative Duties:

2006-07 – Virtual Department Chairman, Computer Information Systems & Security (CISS) Department.

2005-06 – Department Chairman, Computer Information Systems & Security (CISS) Department.

Curriculum Development:

- Graduate council representative assisting in the 2003-2003 development of MS Information Assurance program and courses, Our Lady of the Lake University.
- Graduate council representative assisting in the 2002-2003 major modifications of MBA program and courses including specializations in several business areas, Our Lady of the Lake University.
- Significantly updated the network security course including hands-on projects including network scanning, port mapping, OS id, and password attacks under the supervision of OLLU network personnel.(2001-2002)
- Assisted in 2000-2001 update of MBA program and courses, Our Lady of the Lake University.
- Assisted in 1999-2000 update of BBA and BS degree program in Electronic Commerce and Computer Information Systems. Include both program and course updates, Our Lady of the Lake University.
- Assisted in 1998-1999 update of MBA program and courses, Our Lady of the Lake University.
- Lead in the 1997 development of an improved undergraduate information systems curricula at Portland State University. Includes: Advanced Database Management (using Oracle), Project Management, and Client-Server Development.
- Lead in the 1997 installation of Oracle database and CASE tools. Oracle database to be used in Database Management, Advanced Database Management, and Client-Server Development courses; CASE tool used in Information Systems Analysis & Design.
- In 1995-96 developed and taught Electronic Commerce class offered at the Graduate and Undergraduate level. Included topics such as: EDI, Internet business development, Electronic Funds Transfer (EFT), and digital cash.
- Lead in the 1993 development of a new undergraduate information systems curricula at Portland State University. This includes a new Structured Systems Analysis and Design course using TI's Information Engineering Facility CASE tool, and an Object-Oriented Modeling and Design Class using Objectory, an object-oriented CASE tool.
- Developed new Data Management course (1990) using SQL and object oriented design at Portland State University. Students gained practical experience using XDB on PCs and

INFORMIX in a UNIX environment. This course is the capstone Information Systems course and uses and expands upon the use of CASE tools in system development.

- Developed new Data Communication course (1989) allowing students to design, install, and operate a network at Portland State University. In March 1991 NOVELL donated the current version of ELS Level II operating system to update the existing system. In June 1992 Microsoft donated LAN MAN 2.1 with Macintosh Connectivity.
- Assisted in the 1989 development of a new course: Information Systems Analysis. The new course requires students to identify a systems project in the business community and apply techniques and methodologies presented in class to develop an information system. This was the course that introduced the use of the Excelerator CASE tool.
- Assisted in the 1989 development of a new undergraduate management information systems curricula at Portland State University. This includes a three course sequence using the EXCELERATOR CASE tool.
- Assisted in the development of a course sequence utilizing DATACOM/DB, a mainframe DBMS, and IDEAL, a mainframe based fourth generation language, at the University of Texas at Arlington.

Student Advising:

- Advisor for approximately 20 students majoring in BBA and BS in Electronic Commerce and Computer Information Systems 1999-2002.
- 1996-98 Sponsor for the Information Systems Students & Alumni organization.
- Developed and maintained an extensive internship program at Portland State University for Information Systems students.
- Career advisor for students majoring in Information Systems and Quantitative Analysis.
- Sponsor and advisor for the 1991 International Excelerator Student Project Competition winners: Gillian Hall and Mark Wheeler.
- 1990-91, 1992-94 Sponsor for the student chapter of the Portland Association for Systems Management. This is the largest student chapter in the U.S.

Grants and Contributions :

- 1997 Local Architecture firm donated Sun Sparc Workstation, 16 SCSI harddrives & enclosures.
- 1997 Four Macintosh laptops donated by Credence Systems Corporation.
- 1997 Two monetary donations by Oregon Society of CPAs to the Information Systems program.
- 1996 Hewlett Packard donates a UNIX server with peripherals, extra memory, and operating system for use in Oracle installation and use program.

- 1996 Yost/Grube/Hall donated 20 networking cards to be used by the IS program to train students in the practical aspects of network installation.
- 1995 Negotiated with Oracle for use of their RDBMS on several different platforms including Windows NTAS, SunOS, and HPUX. Oracle also provided client software and support worth about 2.7 million dollars.
- 1995 US Bank donates ~200 computers to the IS program and student lab for use by students, university, and local non-profit distribution.
- 1995 Wyatt Software donates ethernet network cards, a 72 port ethernet hub and transceivers for use in student labs.
- 1995 Microsoft donate the network operating system NT Advanced Server and Microsoft SQL Server, a client-server database management system.
- 1994 Yost/Grube/Hall donated SCO UNIX operating system and LOTUS 123 spreadsheet software for SCO UNIX. Estimated current value is \$2,000.
- 1994 Donation by alumni and Hewlett Packard of an HP LaserJet 4 M Plus printer and a Jet Direct External Interface to the Information Systems Program. Value at \$2,878.
- 1994 Donation by Oregon Society of CPAs to support the Information Systems program.
- 1994 Worked with Claremont Technologies Group to provide five consultants for teaching assistance for the Object-Oriented Modeling and Design course. Received \$3,600 to purchase Smalltalk and Objectory, an object-oriented CASE tool.
- 1993 Grant from Texas Instruments' Advanced Information Management Division to provide five copies (valued @ \$59,000) of their Information Engineering Facility(IEF) CASE tool.
- 1993 Donation by Oregon Society of CPAs to support the Information Systems program.
- 1993 Negotiated with Claremont Consulting to provide \$6,900 to support installation of Texas Instrument's IEF CASE tool. The support included hardware and software update of computing equipment as well as training for CASE tool support.
- 1993 Tektronics continues support for color laser printer (1991 Grant) by providing approximately \$29,000 in printer supplies.
- 1992 Monetary contribution by NIKE Inc. to the School of Business Administration to support the Information Systems program.
- 1992 Microsoft donates LANMAN 2.1 and Macintosh Connectivity network software, valued at about \$9,000, to be used in the Data Communications course.
- 1992 Donation by Oregon Society of CPAs to support the Information Systems program.

- 1992 Summer Research Grant - Portland State University "Evaluating Backpropigation Architecture and Parameters in Determining Risk Premia for Newly Issued Corporate Bonds."
- 1991 Negotiated with Tektronics Corporation for a hardware grant of a color laser printer and accessories worth over \$10,000.
- 1991 Novell donates ELS Level II operating system, valued at about \$2,500, to be used in the Data Communications course.
- 1990 Summer Research Grant - Funded by Oregon Forestry Assn. "The Development of a Semantic Object Oriented Data Model".
- 1990 Educational Grant Program - Index Technology Corporation provided PC Prism software worth about \$7,500 for use in Data Management research and teaching.
- 1990 University Research and Publication Grant - Portland State University. "An Investigation of Mathematical Programming Approaches to the Discriminant Problem".
- 1989 Summer Research Grant - Portland State University School of Business. "Developing a Strategy for Data Base Planning".

Committee Assignments:

- 2007 - Chairman COBA Core Taskforce
- 2006-07 - Chairman of the Technology Advisor Council
- 2006 - Member of Hiring Committee for Distance Learning Specialist
- 2005-07 - Member of the School of Business HR Committee.
- 2005-07 - Member of the University General Education Committee
- 2005-06 - Member of the School of Business Leadership Council.
- 2005 - Chairman School of Business Selection Committee for CISS Visiting Professor.
- 2005 - Lead for the HR Committee ACBSP Accreditation.
- 2004-05 - School of Business Undergraduate Committee.
- 2003-04 - Chairman of the University Graduate Committee.
- 2001-03 - University Graduate Committee.
- 2002-03 - School of Business Information Systems Position Selection Committee
- 2001-02 - Chairman School of Business Information Systems Position Selection Committee
- 2000-03 - School of Business Graduate Committee.
- 1999-00 - University Graduate Committee.
- 1997 - School of Business Information Systems Position Selection Committee
- 1996 - Chairman of the SBA Director of Network Services Selection Committee
- 1995-96 - Advising member of the School of Business Computing Resources Committee
- 1994-96 - School of Business Yearly Review and Merit Committee
- 1995 - SBA Information Systems Position Selection Committee
- 1994-95 - Chairman of the School of Business Computing Resources Committee
- 1994-96 - University Undergraduate Curriculum Committee
- 1994 - Advisor for Accounting Information Systems Position Selection Committee

1993-94 - Advisor for School of Business Computing Resources Committee
1993-94 - Special Food Services Evaluation and Selection Committee
1993-94 - School of Business Undergraduate Curriculum Committee
1991-93 - School of Business Computing Resources Committee.
1991-92 - School of Business Undergraduate Curriculum Committee.
1991-92 - SBA Information Systems Position Selection Committee
1991-92 - University Grievance Committee member (served on 3 grievance sub-committees).
1990-91 - Chairman of the School of Business Computing Resources Committee.
1989-90 - SBA Information Systems Position Selection Committee
1989-90 - School of Business Computing Resources Committee.

XIV. Recognition and honors

Outstanding Graduate Alumni: 1994 - University of Texas at Arlington, School of Business Administration, Information Systems & Decision Sciences Dept.

Teaching Award: 1988 - Outstanding Graduate Teacher, University of Texas at Arlington, School of Business Administration.

XV. Professionally related community activities

Through the E-business & Entrepreneurship course aided students in setup and development of The Pigalle Store LLC and related website.

Co-Developer of a database system to support the membership tracking needs of the Perpetual Eucharistic Adoration group at Saint Matthews Catholic Church 2004-2005.

Developed professional marketing materials for Perpetual Eucharistic Adoration group at Saint Matthews Catholic Church, including brochures, posters, and flyers. Included CAD drawings and layout in Corel Draw - 2002.

Developed and organized printing of professional full color brochure for Saint Matthews Catholic Church Capital Campaign. Winter 2001-2. Included CAD drawings and layout in Corel Draw.

Developed professional marketing materials for Life in the Eucharist Seminar group at Saint Matthews Catholic Church, including brochures, banners, and web site. Spring 2000.

Chairman of the Portland State University Bookstore Board of Directors, 1996-1998. Responsible for the removal of one General Manager and hiring of replacement. Was appointed as acting General Manager during the interim. Involved in planning and budgeting for moving the bookstore to a new multi-million dollar building.

Presentation to the Computer Services Conference for the Oregon Society of CPA's, "Database Access Through the Internet," May, 1997.

Presentation to the Computer Services Conference for the Oregon Society of CPA's, "Relating to

the Office of the Future," October, 1996.

Presentation to the Giffen, Mesher, and Company's Alumni Function, "The Impact that Tomorrow's Technology Has on Today's Business Environment," December, 1995.

Presentation to the Griffen, Mesher, and Company Alumni Function, "Technology? I Don't Need No Stinking Technology," November, 1995.

Arranged for the transfer of 30 computers donated to IS by US Bank to a local elementary school for student use.

Presentation to the Computer Services Conference for the Oregon Society of CPA's, "Technology Today and Tomorrow and How It Effects You," October, 1995.

Presentation to the Board of the Oregon Society of CPA's, "The Future of Technology & Its Impact on CPAs," October, 1994.

Presentation to the Computer Services Conference for the Oregon Society of CPA's, "Office Productivity - The 90's and Beyond," October, 1994.

Presentation to the Management Consulting/Computer Services Conference for the Oregon Society of CPA's, "What's New in Computer Hardware/Software for Consultants," September, 1994.

Presentation to the Accounting and Auditing Conference for the Oregon Society of CPA's, "Future Issues: The Profession and the Workplace," June, 1994.

Member of the Business Advisory Council Curricula Committee for the IBM & Goodwill Industries sponsored: "Computer Programmer Training for the Physically Challenged." In this capacity assisted in the development of a curricula to aid handicapped students to enter the information systems field. This included the solicitation for donation of documentation from publishers to aid the teaching process.

Presentation to the Management Consulting/Computer Services Conference for the Oregon Society of CPA's, "New Tools for Management Reporting- Avoiding 'Garbage Out' " October, 1993.

Performed statistical analysis of Oregon Small Businesses for the Oregon Business Magazine and Suran Management Group, December 1992-March 1993.

Participated in the assessment of CIS Lecturers for the Portland Community Colleges under the direction of Shirley Anderson, Dean of Instruction, Sylvania Campus, May 1993.

Presentation to the Oregon Society of CPA's Computing in Accounting Conference, "Purchasing Hardware, Software, and Networking in the 90's," October 1992.

Expert Witness for NIKE Corp. in the Labor Certification Request for Lalit Gerard Monteiro, March 14, 1991.