

Curriculum Vitae

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Education

Master of Science (1976) - Vocational Technical Education
Cognate – Human Resource Management
University of North Dakota
Grand Forks, ND 58201

Bachelor of Science (1972) - Business Administration
Emphasis - Marketing
University of North Dakota
Grand Forks, ND 58201

Employment in Education

University of Minnesota, Crookston Campus

2004-Present – Director of the UMC Instructional Technology Center

1997-Present - Associate Professor in the Center for Business and Technology. Recently UMC academically restructured. I now have my academic home in the Math, Science and Technology Department.

2000-2004 – Program Director of the UMC Information Technology Management degree programs

1995-2000 – Vice-President for Technology Services – Red River Trade Corridor / Northern Great Plains, Inc. (UMC's 501c3 non-profit economic development organization)

1990-1995 - Director of the UMC Office of Continuing Education

1987-1988 - Director of the Northwest Minnesota Marketing Research Center.

1986-1988 - Education Coordinator at the Crookston Enterprise Development Center.

1984-1985 - Coordinator of Continuing Education Programs in Microcomputing.

1979-1997 - Assistant Professor in the Management Division.

1975-1979 - Instructor in the Business Administration Department. (tenured in 1979)

Personal Consulting and Business Activities

ITS Development

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1996-present - Operator of a private consulting service.

Consulting Services Available

1. "Emerging technology" research, presentations, and workshops.
2. Preparation of strategic and operational technology plans.
3. Development of computer hardware and software specifications.
4. Design of local and wide area networks
5. Preparation of comprehensive eBusiness solutions.

NewTech Computer Systems, Inc.

107 East 2nd Street
Crookston, MN 56716
218-281-7646

1985-1992 - President and CEO of a Microcomputer VAR (Value Added Reseller) specializing in small business networking. My interests in this business were sold in December of 1992.

Services Provided:

1. Microcomputer Hardware and Software Consultations
2. Microcomputer Hardware and Software Sales

UMC Position Responsibilities

2004-Present - Director UMC Instructional Technology Center

The mission of the ITC is to:

1. To facilitate faculty integration of technology into their traditional, in-the-classroom, courses.
2. To provide training, technical, and continuing support services for faculty as they integrate technology beyond the classroom. (ie internship, online learning, CIHS, and such)
3. To develop systems and applications for staff and administration that will lead to improved information resources by integrating technology into campus operations and services. (ie recruiting system, assessment and surveying tools, notebook computer applications, and such)

My Director Responsibilities include:

1. Infrastructure planning and maintenance
2. Overall Center strategic as well as operational planning
3. staff coordination,
4. faculty training,
5. fund raising through grant preparation,
6. budget administration,
7. and leadership in the assessment of emerging technologies to support the UMC applied technical mission across all academic disciplines, administrative and support services.

2000-2004 - Program Director Information Technology Management (ITM)

1. Coordination of ITM program initiatives.
2. Supervision of faculty assigned to ITM instructional responsibilities.
3. Curriculum, course and assessment development.
4. Budget management.
5. Teaching - averaged 6 credit per semester. Classes included: An Introduction to Information Technology, Microcomputer Operating Systems, Local Area Networks, Messaging Systems, Portal Design and Development, Fundamentals of eBusiness, Technology Project Management and Directed Studies in Information Technology Management.
6. Student advising - 35 students per semester
7. The completion of discipline inquiry, research focused projects within my discipline and in support of business and economic development in the rural regions of the upper midwest.
8. Development and guidance of the ITM Program Advisory Committee.
9. The establishment of working relationships with computer industry leaders such as Microsoft, IBM, Compaq/HP, Dell, Oracle and others....
10. Participation in campus governance as a member of the Academic Administrative Committee.
11. Participation in campus governance as a member of divisional and campus committees.

1995-2000 – Vice President for Technology Services Northern Great Plains, Inc.

1. Preparation and submission of technology focused grant proposals.
2. Administration of funded technology grants.
3. The establishment of working relationships with private, governmental and foundation funding agencies.
4. The evaluation of emerging computer and telecommunications technologies and the interpretation of potential economic significance to the Red River region.
5. Development and deployment of the Northern Great Plains, Inc. comprehensive Internet and World Wide Web resource facility.
6. Supervision of professional staff and student employees.
7. Public presentations and committee representation in support of the NGP's technology and economic development initiatives.
8. Preparation of NGP written support materials guiding projects, summarizing work completed, and informing media.

1990-1995 - Director, Office of Continuing Education

1. Supervision of office and administrative staff.
2. Preparation of continuing education programs for each quarter/semester.
3. Cooperating with the division chairs in the developing of a program of courses offered by UMC faculty.
4. Public presentations to local, regional, and statewide organizations.
5. Establishing working relationships with area businesses, school districts, and governmental agencies.
6. Establishing working relationships with adjunct faculty used by the Office of Continuing Education.
7. Managing the budget of the Office of Continuing Education.
8. Working cooperatively with the administrative offices throughout the University as a member of the Chancellor's Cabinet.

Recent Course and Program Development

2000 to 2005 – Major revisions to the Information Networking Management Curriculum including the following:

- Renaming the program “Information Technology Management”
- Defining instructional tracks, allowing students to specialize in:
 1. Application Development
 2. Computer Applications
 3. Networking and Telecommunications
- Segregating the computer applications courses from the ITM courses to allow for broader service to academic programs from across campus.
- Implementing a series of advanced level programming, systems, security and messaging platform courses to better meet the needs of industry leading employers.

1995 - “**The Information Networking Management Bachelor of Science Program**”, completed a thorough evaluation of the trends in the use of information technologies by business and industries and developed a revised curriculum as a result. The revised curriculum refocused the program on the following four year sequence:

- Year #1 - Program Applications - Word Processing, Spreadsheets, Database, Graphics, Introductory Web Development (HTML), Understanding the Internet.
- Year #2 - Basic Programming – C, Java, Visual Basic, Data Structures and Application Design.
- Year #3 - Systems Understanding - Operating Systems, Networks and Telecommunications, Security, and Systems Level Applications Services
- Year #4 - Systems Integration and Solutions Implementation

Funded Research Projects

2001-2004 - “**Building an eBusiness Ready Rural Workforce in the Northern Great Plains: Developing a Model Program for eBusiness Training.**” – Funded at a level of \$468,000 by the United States Department of Labor – The project worked with 2 communities in each of the five states of the NGP region; Iowa, Minnesota, Nebraska, North Dakota, and South Dakota, along with more than 200 employees of 50+ companies to develop Internet use and development skills.

1998-2000 - “**The Manufacturers eBusiness Network**”, – funded by Minnesota Technology Inc. and the National Institute of Standards and Technology (NIST) from the US Department of Commerce - Approved funding level = \$365,000 - Worked with greater than 350 manufacturing companies and all fifty state Manufacturing Extension Partnership (NIST-MEP) organizations to develop strategies, resources, and applications to meet business expectations of the Internet.

1997 - “**The Minnesota Manufacturers Telecommunications Network**”, – funded by Minnesota Technology Inc. Approved funding level = \$200,000.

1997 - “**The Red River Trade Corridor Telecommunications Development Project – Enabling the Manufacturing Community in the Use of Telecommunications and Information Technologies**”, prepared for the United States Department of Agriculture, Cooperative State Research Service. Approved funding level = \$158,000.

1996 - “**The Red River Trade Corridor Telecommunications Development Project - Phase #2 - Enabling Agri-Industries in the Use of Telecommunications and Information Technologies**”, prepared for the United States Department of Agriculture, Cooperative State Research Service. Funding level = \$158,000. – <http://www.rrtrade.org> – now at <http://www.ngplains.org>.

1995 - **"The Red River Trade Corridor Telecommunications Development Project - Phase #1 - Enabling Agri-Industries in the Use of Telecommunications and Information Technologies"**, prepared for the United States Department of Agriculture, Cooperative State Research Service. Funding level = \$158,000.

1987 - **"The Northwest Minnesota Marketing Research Center"**, submitted to the Northwest Minnesota Initiative Fund, Funded for \$25,000. 1987.

A Sampling of Research, Publications, and Presentations

February of 2004 – **"Making Available and Accelerating the Use of Broadband Telecommunications Services in the Upper Peninsula of Northern Michigan - The Implications of Investing in Travel/Tourism eBusiness Services and Technologies"**, A report prepared for Northern Initiatives - Marquette, Michigan.

January 14th, 2004 - North Dakota Senator Kent Conrad's "Marketplace 2004" – a presentation on **"Ten Lessons for Putting Your Business on the Internet"** in Grand Forks, ND

March of 2003 – **"Analysis and Evaluation of HTMLeZ - A Learning Content Management System"** – A report completed as a collaborative project with CEO Praxis and the UMC ITM faculty under contract for the North Dakota University System.

January 16th, 2003 - " Senator Conrad's "Marketplace 2003" – a presentation on **"Ten Lessons Learned from Early eBusiness Innovators"** in Grand Forks, ND.

October 14th, 2002 - **"eBusiness after the .com Collapse"** - **"The Future of Broadband Telecommunications"** - Two workshops presented at the National Rural TeleCongress Annual Convention in Des Moines, Iowa.

eBusiness presentations for Northern Initiatives in Marquette, Michigan - **June 18th, 19th, and 20th, 2002.**

- **"eBusiness / eCommerce Innovations in 2002"**
- **"eBusiness Services - An Introduction on Online Applications"**
- **"Virtual Marketplaces"**
- **"Rules of Engagement - the eBusiness Environment"**
- **"Leaders Presentation - eBusiness in 2002"**

January 16th, 2002 - Keynote address delivered to the Warroad Chamber of Commerce Annual Banquet - **"Technology Meets the Road - Realizing the Promise of the Internet"**

January 10th, 2002 - Senator Conrad's "Marketplace 2002" – a presentation on **"Ten Tips to Effective eBusiness Practices"** in Grand Forks, ND

December 5th, 2001 - **"Connecting all Iowans to the Internet"** - A 4-hour Iowa eCommunity presentation for the Iowa Department of Economic Development broadcast through ITV to 18 locations around Iowa from a classroom in Des Moines, Iowa

November 1st, 2001 - **"Connecting Rural Minnesota"** – a presentation for the Minnesota House Committee on Telecommunications done with a NetMeeting video conferencing session to demonstrate as well as to discuss emerging broadband technologies and telecommunications issues.

October 24th, 2001 - **"Technology in Manufacturing"** – a presentation for Manufacturers Week in Warroad, MN

October 10th, 2001 - "eBusiness Development Tools" – a presentation at the Minnesota Extension Service State Conference in Rochester, MN

September 26th, 2001 – A workshop delivered at the Midwest eBusiness Conference at Iowa State University in Ames, Iowa - "Second Generation eCommunities"

Summer of 2000 – "The REACH Initiative: Launching Jordan's Software and IT Services Industry" – An onsite visit, research collection, and report completed for the TGS Consulting Group under subcontract for the United States Agency for International Development (USAID) in Ahman, Jordan.

October 25th, 1999 Issue of PC Week Magazine – "From the Trenches – Student Aid – Support Challenges at the University of Minnesota call for a Robust, Easy to Use, Help Desk System"

February 15th, 1999 Issue of PC Week Magazine – "From the Trenches - Addressing the Y2K Business Challenge"

November 16th, 1998 Issue of PC Week Magazine – "Advice from the Trenches – The Promise of Better Business Partnerships Through Electronic Commerce"

1996-97 - "Report on Agri-Industry Use of the Internet". Supported with funding from the United States Department of Agriculture. Worked closely with 38 agriculture focused businesses to build information technology capacities and to determine the present and potential future value of the Internet.

1996-97 - "A Strategic Look at Telecommunications in the Red River Valley". Supported with funding from the Ford Foundation. Completed a series of focused group meeting throughout the Red River Valley and conducted personal interviews with telecommunications specialist to prepare a present view and a strategic plan to guide telecommunications discussions and planning efforts.

A Sampling of Professional and Service Activities

2001-Present – Member of the **Minnesota Municipal Utilities Telecommunications Taskforce** that is working to allow Minnesota communities to expand the deployment of Broadband internet technology resources

2000-Present – Founding Member of the **Minnesota Technology Action Group (MTAG)** that is affiliated with the national Rural Broadband Coalition. This group delivers presentations across the state, testifies at the state legislature, and gets together regularly to discuss emerging technology that will affect the quality of life in the rural regions of Minnesota.

1996-Present - **eWeek and Ziff Davis Publishing "Corporate Partners"** editorial and product review committee as well as

Fall 1997 – Best of Comdex Judge – "Best Network Utility"

Spring 1998 – Best of Comdex Judge – "Best Networking Software"

Fall 1998 – Best of Comdex Judge – "Best Productivity Software"

Spring 1999 – Best of Comdex Judge – "Best Networking Hardware"

Fall 2000 – Best of Comdex Judge – "Best Networking Software"

1998-2000 – **Project Champion of the Minnesota Technolgy Y2K Readiness Program** that delivered awareness and consulting services to greater than 1000 companies in the state from January of 1998 through November of 1999 and follow-up discussions in early 2000.

1994-97 - **EDUCOM -National Learning Information Initiative - Taskforce on the “Universal Student Access to Computer Technologies”**

1995-96 - **Northern Great Plains Rural Development Commission - Telecommunications Task Force** (representing state of Minnesota)

1992 - **“UMC 2002 - A Strategic Plan”**, coordinator of the administrative planning group that developed strategies to add polytechnic baccalaureate degree programs to the academic mission of the University of Minnesota, Crookston Campus. The document also called for the full implementation of a technology plan that was to put notebook computers in the hands of all students and faculty. Upon execution, UMC became the original “Thinkpad U”, a program and strategy widely adapted in higher education worldwide in the past thirteen years.

References

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