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Key Elements of Vita

Education	1
Teaching Experience	1
Professional Experience	2
Honors	4
Publications	4
Presentations	4
Other Publications	4
Teaching Ratings	4
Faculty Development	5
Recent Professional Attendance	5
Panel Participation	7
Appointments	7
Citations	7
Professional Affiliations	8
List Serves	8

Education

UNIVERSITY OF BALTIMORE
Juris Doctor (intellectual property--1991)

BALTIMORE, MD
School of Law

UNIVERSITY OF WASHINGTON
Master of Science (information systems --1981)
Bachelor of Arts (econometrics--1975)

SEATTLE, WA
Department of Civil Engineering
Department of Economics

Teaching Experience

present UNIVERSITY OF WASHINGTON

SEATTLE, WA

Faculty Associate. Conduct operational research at the University of Washington's Human Interface Technology Laboratory (HITLab) involving intellectual capital management, semantic data fusion and speech recognition.

1993 - 1995 UNIVERSITY OF MARYLAND UNIVERSITY COLLEGE

COLLEGE PARK, MD

Adjunct Assistant Professor. Taught Information Technology and Competitive Advantage which critically examined opportunities for the advancement of the technology in diverse business and government settings, at the University of Maryland University College's Graduate School of Management and Technology.

1981 UNIVERSITY OF WASHINGTON EXPERIMENTAL COLLEGE

SEATTLE, WA

Lecturer. Making the Transition from Data to Information Processing.

1974 UNIVERSITY OF WASHINGTON

SEATTLE, WA

Teaching Assistant. Urban Geocoding, Departments of Civil Engineering, Geography and Urban Planning.

Professional Experience

present

SEATTLE, WA

Intellectual Property Appraiser. Advise clients of intellectual property positions comprising copyrights, patents and trademarks, and perform valuations and/or audits of such intangible/tangible assets and portfolios.

2000 - 2001 SEATTLE ART MUSEUM

SEATTLE, WA

Chief Technology Officer. Responsible for the technological conduct of the Museum for both administrative information processing and exhibition related support:

- developed a strategic plan that formed the basis for long term directions and resulted in significant software donations;
- responsible for the technology components of a major exhibition comprising a virtual reality archaeological dig, multimedia kiosks and web site; and
- oversaw network administration, budgeting, training and electronic infrastructure improvements.

1993 - 2000

WASHINGTON DC/SEATTLE, WA

General Manager/Founder. Responsible for the administrative, finance, information technology and intellectual property matters of start-ups at various phases of venture capitalization and/or formation:

- Gallerie La Ruche--a web based art gallery for on-line sale of contemporary prints, paintings, and photographs;
- HTDR--a consortium of arbitrators/mediators concerned with the appropriate resolution of high technology disputes; and
- ProteoTools --a bio-technology start-up specializing in high throughput screening in the field of proteomics.

Consultant. Provided data administration expertise for corporate information and database technologies especially relating to information resource dictionary systems or repositories for the organization of metadata.

Arbitrator/Mediator. Resolved intellectual property disputes between parties using appropriate resolution modalities. As a panelist with the American Arbitration Association (commercial, computer and patent), make rulings on procedural matters, and awards based on testimony and evidence at hearings.

1984 - 1993 VITRO CORPORATION

SILVER SPRING, MD

Department Head, Corporate Information Services. Responsible for the financial/administrative infostructure of Vitro Corporation, a subsidiary of The Penn Central Corporation, with annual sales in excess of \$300 million and over 5,000 employees:

- Directed a Department comprising the Information Services, Information Resource Management, Client/Server Networked Systems, and Budget organizations; and
- Directed the activities of departmental staff responsible for all facets of the Software Development Life Cycle (SDLC)

Director, Financial and Management Information System (FAMIS) Upgrade Program. Directed a two year program to upgrade the Corporation's financial and management information systems to incorporate relational data base management and client/server technologies, on schedule and under budget:

- Directed all stages of the SDLC process that was employed to successfully implement commercial, customized and prototype software in a multi-tiered environment; and
- Directed fifteen projects spanning such applications as general ledger, budget, accounts receivables, procurement, and project management, and staffed by in-house personnel and consultants

Budget Manager. Directed the development, justification, and execution of annual budgets; monitored performance relative to sales objectives. Conducted operations research and econometric studies of internal management concerns. Participated in long range planning efforts to establish Corporate spending priorities:

- Negotiated annual G&A, overhead, service and equipment rates with the Federal Government;
- Enhanced the operating budget process by implementing a distributed information processing approach, and
- Developed computer models to analyze and forecast rates and sales of operating segments.

Systems Analyst. Designed large scale data bases, and participated in marketing and proposal activities involving Federal, state and local agencies:

- Used structured methodologies to analyze and design large-scale relational data bases; and
- Managed the preparation of responsive management and technical proposals in response to RFPs

1983 OREGON STATE BUREAU OF LABOR AND INDUSTRIES

PORTLAND, OR

Administrator. As an appointed member of the State Executive Service, directed the Support Services Division (SSD), comprising five sections: Personnel/Labor Relations; Business; Information and Administrative Services; and Technical Assistance, and two support areas--budgeting and prevailing wage rate determination:

- Defended the Bureau's Biennial Budget request before the State Legislature; and
- Acquired and implemented the Bureau's data and word processing hardware and software.

1980-1982 WASHINGTON STATE DEPARTMENT OF TRANSPORTATION

SEATTLE, WA

Information Resource Manager. Managed the State Ferry System's information processing operation:

- Developed the System's Long Range (Five Year) Information Processing Plan;
- Acquired and implemented the System's data and word processing hardware and software; and
- Directed development of econometric models to analyze rate structures and fare elasticity.

1976-1980 CITY OF SEATTLE

SEATTLE, WA

Principal Systems Analyst. As a member of OMB/MIS, managed the Data Base Feasibility Study to establish future directions for the City to pursue in the areas of data base management/information systems development:

- Conducted a combined Business Systems Planning (BSP) and Critical Success Factor (CSF) analysis involving all twenty-eight of the City's Departments; and
- Recommended the implementation of a data base approach, and prioritized application developments

Applied Statistician. Managed the Fire Department's data processing operation and supervised the development of software to support its administrative functions:

- Designed and implemented a large scale production system to update the Department's dispatching system; and
- Performed operations analysis to optimize the initial dispatch and move-up sequences of the Department's vehicles

Private Consultant. Developed a large-scale computer modeling system to analyze alternative resource allocations and calibrate fire suppression deployment schemes for annual budgetary consideration:

- Supported the development and maintenance of an automated Geographic Base File (street network) of the Seattle metropolitan area; and
- Performed operations research to establish vehicular travel times and crew effectiveness ratings

1973-1975 UNIVERSITY OF WASHINGTON URBAN DATA CENTER

SEATTLE, WA

Scientific Programmer. Researched and developed an interactive modeling system for use in market area assessment. With direct application to the banking industry, this system was designed to facilitate branch location analysis:

- Performed multivariate statistical analysis of customer characteristics and population and housing data; and
- Processed the 1970 U.S. Census tapes (population and housing)

Honors

Nominated for the Graduate School of Management and Technology's 1994-95 Stanley J. Drazek Teaching Excellence Award.

Publications

"The Development and Application of a Modeling System for the Measurement of Service Levels in Fire Suppression Operations (The Seattle Experience - 1976)," Seattle, WA, 1981.

"The Development and Application of an Heuristic Modeling System for Facility Market Analysis," Computer, Local Government and Productivity, Vol. I, Urban Regional Information Systems Association, Chicago, IL, 1976.

Presentations

Sichuan VR Dig Developments, Virtual Worlds Consortium Meeting, Seattle, WA, 2000.

Wired for Law: Legal Practice Through the Internet, Continuing Legal Education University of Washington School of Law, 1996

Intellectual Property Certificate Program, Continuing Legal Education, University of Washington School of Law, 1996

Other Publications

Bracket, Michael H., "Data Resource Quality: Turning Bad Habits into Good Practices," Addison-Wesley, 2000.

Teaching Ratings

University of Maryland University College Graduate School of Management and Technology

Spring, 1995 (average class size of 31)

ADMN 645	Overall (Instructor)	4.35
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"Overall, Prof. Lotz is an excellent instructor. He makes the learning process interesting through his deep subject knowledge and enthusiasm for the material he presents! Too bad this is the only course he teaches. He inspires one to learn."

Fall, 1994 (average class size of 29)

ADMN 645	Overall (Instructor)	4.54
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Spring, 1994 (average class size of 29)

ADMN 645	Overall (Instructor)	4.26
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Fall, 1993 (average class size of 25)

ADMN 645	Overall (Instructor)	3.94
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Faculty Development

09/14/1993	How to Provide Effective Feedback to Students on their Written Assignments (Stallings);
10/08/1993	The Skillful Teacher (Seldon);
10/19/1993	Using the Scholar's Workstation: A Hands-On Workshop for Library and Information Services on the Internet (Kelley and Rawson);
11/11/1993	Student Learning and Assessment Approaches in the Graduate Classroom (Seldon);
12/02/1993	The Information Wave and Internet: A Hands-On Workshop (Kelley and Rawson);
12/07/1993	Building Writing and Critical Thinking Skill through Structured Small Group Work;
02/03/1994	Teaching Skills: Creating a dynamic Learning Environment (Greenberg);
03/01/1994	Information Literacy and Effective Graduate Instruction (Kelley and Rawson);
04/05/1994	Student Diversity: Skills for Utilizing Differences in the Graduate Classroom (Davis);
04/18/1994	Faculty Dialogue Series Part 2: How to construct an Effective Examination;
11/07/1994	Assessments that Work: How to Build Better Writing and Thnking Skills with Less Grading Effort (Whitesel);
11/15/1994	Games That Teach: Power Tools for Learning (Sugar);
12/01/1994	Cooperative Learning: Energizing the Classroom Through the Use of Small Groups (Millis);
12/03/1994	Fishing for Files: Searching and Retrieving Software through the Internet (Kelley and Rawson).
03/30/1995	USENET: Trekking Crooked Trails and Dusty Backroads on the Cyberspace Frontier (Keller)

Recent Professional Attendance

10/30/1993	American Intellectual Property Law Association Washington, DC	
10/27/1994	American Intellectual Property Law Association	
10/29/1994	Washington, DC	
	Interacting with Internet: Its Impact on Society Smithsonian Association Washington, DC	
01/24/1995	The State of the Internet	Vinton Cerf
01/31/1995	Daily Life on the Net	Esther Dyson

02/07/1995	The Internet as a Freedom Forum	Ferooq Hussain Jack Hidary
02/21/1995	The Marketplace in Cyberspace	Mary Cronin
02/28/1995	The Great Human Potential in Cyberspace	Jean Houston
03/07/1995	The Role of Government in the Internet	Thomas Kalil Jerry Berman
03/14/1995	Translating the Real World to Cyberspace	Brock Meeks Shari Steele
05/02/1995	Being Digital	Nicholas Negroponte
03/23/1995 03/24/1995	8 th Annual Computer Law Institute Georgetown University Law Center Continuing Legal Education Division 14 CLE Credit Hours Washington, D.C.	
05/21/1995 05/22/1995	International Conference of Artificial Intelligence and Law University of Maryland University College	
10/13/1995	Professional Mediation Skills Certificate Training Program	Lynne A. Cox
10/15/1995 10/28/1995 10/29/1995	Washington Law School Foundation and Continuing Legal Education 35.75 CLE Credit Hours Seattle, WA	
10/19/1995	Protecting Personal Information	Anne Wells Branscomb
10/20/1995	Clashing Cultures in Cyberspace: New Challenges to Law and Society in a Networked World	Anne Wells Branscomb
10/30/1995 10/31/1995	Internet L@w Symposium '95 Discovery Institute 12.5 CLS Credit Hours Seattle, WA	
11/30/1995	Basic Arbitration Training American Arbitration Association __ CLS Credit Hours Seattle, WA	
09/11/1996 09/14/1996	Intellectual Property Certificate Program Washington Law School Foundation __ CLS Credit Hours Seattle, WA	

09/20/1996	Wired for Law Washington Law School Foundation __ CLS Credit Hours Seattle, WA
04/11/1997 04/12/1997	Sixth Annual Northwest ADR Conference Washington Law School Foundation __ CLS Credit Hours Seattle, WA
09/15/1997	Silicon Valley 2000 American Arbitration Association International Chamber of Commerce World Intellectual Property Organization Wilson Sonsini Goodrich and Rosati __ CLS Credit Hours San Francisco, CA
10/16/1997 10/18/1997	American Intellectual Property Law Association Washington, DC
5/5/1998 5/7/1998	Business Rules: The Competitive Edge Seattle, WA
9/4/1998	Object Management Group Seattle, WA
4/26/2000	Data Administration Management Association Annual Conference Seattle, WA
3/25/2000	Data Administration Management Association Annual Conference Washington, DC
9/24/2000	Museum Computer Network Annual Conference Las Vegas, NV
10/30/2001	Data Resource Management Association Pascal: Practical Issues Edmonds, WA

Panel Participation

Repository Standards Update, IBM Corporation, April 21, 1992.

Appointments

Panels of Computer and Commercial Arbitrators, American Arbitration Association

Citations

Certificate in Data Processing (CDP), Institute for Certification of Computer Professionals
David T. Lotz

Professional Affiliations

(past and present)

Data Resource Management Association	DRMA
Electronic Frontier Foundation	EFF
International Association for Artificial Intelligence and Law	IAAIL
American Intellectual Property Law Association	AIPLA
Computer Professionals for Social Responsibility	CPSR
American Arbitration Association	AAA
American Bar Association	ABA
Association of Computing Machinery	ACM
Data Processing Management Association	DPMA
Urban and Regional Information Systems Association	URISA

List Serves

CNI Copyright
Dublin Core
meta2
EFF
Voice Recognition
XML

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