

THOMAS PAUL CAVAIANI

Department of Networking, Operations, and Information Systems

Boise State University

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EDUCATION

PhD Mathematics Education 1988

MS Mathematics Education 1979

BS Mathematics Education 1974

BS Mathematics 1971

Oregon State University

Corvallis, Oregon

EXPERIENCE

Date	Title	Organization	Responsibilities
8/00 to present	Special Lecturer	Department of Networking, Operations, and Information Systems Boise State University	Teach programming, networking and telecommunications courses, serve on college and university-wide committees, and curriculum development.
8/97 to 8/00	Associate Professor - Computer Network Support Technology	College of Applied Technology Boise State University	Implemented computer network support program in the College of Technology. Responsibilities include budget management, acquisition of computer hardware and software for instructional purposes, curriculum development, long-range planning for program expansion, instruction of students, and management of faculty.
1/94 to 8/97	Trainer and Consultant	Canyon County Center Boise State University	Taught A+ Certification courses, seminars on Windows (95 and NT), and Microsoft Office applications. Developed courseware for these seminars. Maintained training room computers and network.

1/90 to 6/97	Part-time Instructor	Department of Computer Information Systems and Production Management Boise State University	Taught information systems classes on a part-time basis. Courses taught include Microsoft Works and Microsoft Office, COBOL, Visual Basic for Excel, and business statistics.
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Date	Title	Organization	Responsibilities
Winter Quarter 2005	Mathematics Instructor	Treasure Valley Community College, Caldwell, Idaho	Taught college algebra on a part-time basis.
1/94 to 8/97	Consultant	Numerous companies and individuals in Boise area	Contracted with local companies (Simplot, Ore-Ida, US West, NCR and others) and individuals to provide solutions to computer-related problems.
11/91 to 1/94	Senior Training Consultant	PC Etcetera 690 Market Street, San Francisco, CA	Taught day-long seminars on DOS, Windows, computer networking, Word for Windows, Excel, Access, Freelance, Ami Pro, Lotus 1-2-3. Developed courseware for these seminars. Performed administrative duties including class scheduling. Maintained training rooms and PC network.
6/89 to 11/91	Systems Administrator	Hewlett-Packard Corporation Boise, ID	Assessed PC training needs and developed a PC training program for HP. Supervised process of evaluating and hiring a vendor to provide classes and training materials for PC applications. Developed curricula and taught courses on HP personal computer products.
9/85 to 6/89	Instructor	Department of Computer Information Systems and Production Management Boise State University	Taught COBOL and BASIC programming, use of HP3000 minicomputer, software applications, systems development, general computer literacy, and business statistics.
9/84 to 6/85	Mathematics Teacher	Hillside Junior High School Boise, ID	Taught elementary mathematics.

9/81 to 6/84	Graduate Teaching Assistant	Department of Mathematics Oregon State University Corvallis, OR	Taught algebra, trigonometry, calculus, probability, linear programming, and business mathematics.
6/83 to 12/84	Computer Science Instructor	Chemeketa Community College Salem, OR	Taught programming courses in Pascal and BASIC on a part-time basis.
Winter 84	Mathematics Instructor	Linn-Benton Community College Albany, OR	Taught introductory college algebra on a part-time basis.

Date	Title	Organization	Responsibilities
9/79 to 6/81	Special Lecturer	Department of Mathematics Boise State University	Taught algebra, trig, calculus, probability, business math, and BASIC programming.
9/74 to 6/79	Teacher	Boise Public Schools Boise, ID	Taught high school algebra, geometry, and general science.
5/74 to 9/74	Instructor	Department of Adult Education Vocational Technical School Boise State University	Worked with students of different socio-economic and ethnic backgrounds preparing for the GED. Taught a various locations in the area include the State Penitentiary, State Prison Farm, and Mercy Medical Center.

RELATED EXPERIENCE

Date	Description	Organization
9/96 to present	Designed, developed, and maintain an on-line order tracking system using Microsoft Access.	Western Latitudes, Inc. 9368 W. Preece Boise, ID
10/96 to 1/97	Designed and developed a donation tracking system using Microsoft Access.	Idaho Women's Network 817 W. Franklin St. Boise, ID
6/93 to 8/94	Designed, developed and maintained a networked training course evaluation system written in Microsoft Access.	Hewlett-Packard Corporation Boise, ID

June 1986	XEROX-PARC Instructional Course on LISP programming for development of Expert Systems and Artificial Intelligence tools on Xerox 1186 Workstations.	Simplot-Micron Technology Center Boise, State University
5/82 to 9/82	Systems Development Project- Automated Course Schedule for School of Education.	Oregon State University Corvallis, Oregon
3/80 to 6/80	Delinquent Accounts Program Development Project.	Idaho State Department of Health and Welfare Boise, Idaho

CERTIFICATIONS

Microsoft Certified Professional (MCP) Windows 2000 Professional August 2002
 Microsoft Certified Systems Engineer (MCSE), August 1999
 Microsoft Certified Trainer (MCT), August 1999
 Certified Novell Engineer (CNE 5.0) July 1999
 Certified Novell Instructor (CNI 5.0) July 1999
 Certified Novell Administrator (CNA 4.11), June 1998
 Certified Novell Engineer (CNE 4.11), September 1998
 Certified Novell Instructor (CNI 4.11), September 1998
 Certified Vocational Instructor, State of Idaho, September 1998

PUBLICATIONS

Journals

- Cavaiani, Thomas P. (2008). Tools and Techniques for Simplifying the Analysis of Captured Packet Data. *Journal of Information Systems Education, Vol 19(4)*, 375-378.
- Cavaiani, Thomas P. (2007). Object-Oriented Programming Principles and the Java Class Library. *Journal of Information Systems Education, Vol 17(4)*.
- Cavaiani, Thomas P. (2005). Using Selected Options of the Ipconfig Command to Teach Network Troubleshooting Techniques. *Journal of Information Systems Education, Vol 16(3)*, 251-254.
- Cavaiani, Thomas P. and Hancock, Michael. (2003). The development and evolution of a two-year educational program in information technology. *ATEA Journal, Vol 30(2)*, 6-9.
- Cavaiani, Thomas P. (2002). Using the OSI model to teach problem solving. *Journal of Information Systems Education, Vol 12(4)*, 191-192.
- Cavaiani, Thomas P. (2002). Using the OSI Model to Teach Problem Solving – an Executive Summary (2002). *The Information Executive, May-June*, 14.
- Cavaiani, Thomas P. (1989). Cognitive style and diagnostic skills of student programmers. *The Journal of Research on Computing in Education, 21(4)*, 411-420.

Proceedings

Cavaiani, Thomas P. (2003). *Determining the effectiveness of an e-commerce application that provides wireless voice biometric authentication*. Published in the proceedings of the thirty second annual meeting of the Western Decision Sciences Institute, April 15, 2003.

Books

Cavaiani, Thomas P. *IT Networking Labs* (2009). Boston, Prentice Hall.

Cavaiani, Thomas P. *Windows-DOS* (1997). Phoenix: ART Press.

Cavaiani, Thomas P. *Supporting Microcomputers* (1997). Phoenix: ART Press.

Chapters In Books

Networking Fundamentals. Phoenix: ART Press. 1998.

Original Course Development

Vectra Fundamentals. Boise: Hewlett-Packard. 1990.

Technical End User Support. Boise: PC Etcetera. 1994.

HP Desk. Boise: Hewlett-Packard. 1990.

Introduction to Windows NT Networking. Boise: PC Etcetera. 1994.

Introduction to Windows NT and LANs. Boise: Idaho Department of Labor Job Service. 1996.

Access for Windows 2.0 Level 4. Introduction to Programming I. Boise: PC Etcetera. 1995.

Computer Support Technician. Boise State University OutReach. 1997.

Newspaper Articles

Within an Information Technology organization where is the logical starting point for improving performance and aligning IT with business priorities? *Business Bulletin, Lewiston Morning Tribune*, October 2, 2004.

Within an Information Technology organization where is the logical starting point for improving performance and aligning IT with business priorities? *Southern Idaho Business, Twin Falls Times News*, October 2, 2004.

Can I make online purchases through the Internet without using my credit card? *Morning Tribune, Lewiston, Idaho*, March 18, 2003.

Using SOAP to make business applications functional on the Internet. *Southern Idaho Business, Twin Falls Times News*, January 2003.

I'd like to use biometric security on my company's Windows network. What guidelines should I follow? *Southern Idaho Business Bulletin, Twin Falls Times News*, December 2002.

What can be done to minimize the effects of RF interference on Wi-Fi LANs?, *Southern Idaho Business Bulletin, Twin Falls Times News*, November 2002.

What is Computer Telephony Integration? *Southern Idaho Business Bulletin, Twin Falls Times News*, August 2002

What is Computer Telephony Integration? *Business Profile, Lewiston Morning Tribune*, July 16, 2002.

What options are available for e-publishing? *Southern Idaho Business, Twin Falls Times News*, May 2002

Can I use microwave technology to connect two offices? *Business Profile, Lewiston Morning Tribune*, January 15, 2002.

PROFESSIONAL ACTIVITIESOutside Consulting/Seminars

Development and maintenance of an on-line Order Tracking System using Microsoft Access.
Western Latitudes, Boise, 1996-1999.

Development and maintenance of an On-line Donation Tracking System using Microsoft Access.
Idaho Women's Network. Boise, 1996-97.

Development and maintenance of an On-line Training Evaluation System and Database
Management System using Microsoft Access. Hewlett-Packard, Boise, 1993-94.

NetWare 4.11 Network Systems Administration Seminar, 1997.

NetWare 5.0 Network Systems Administration Seminar, 1998.

Presentations

"TCP Tuning for File Downloads" at the July 13, 2007 meeting of the Central Idaho Chapter of
the Association of Information Technology Professionals, Boise, Idaho.

"Baseportal, what is it and how do you use it" at the January 12, 2005 meeting of the Central
Idaho Chapter of the Association of Information Technology Professionals, Boise, Idaho.

AWARDS AND RECOGNITION

Research publication stipend, College of Business and Economics, Boise State University, 2003,
2006, 2007, 2008..

Summer professional development grant, Boise State University, 1997.

REFERENCES

Emerson Maxson, Associate Professor (retired)
Department of Networking, Operations and Information Systems
College of Business and Economics
Boise State University
1910 University Drive
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Robert Minch, Professor
Department of Networking, Operations and Information Systems
College of Business and Economics
Boise State University
1910 University Drive
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Patrick Shannon, Professor
Department of Networking, Operations and Information Systems
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