

**EDUCATION**

- Master of Science in Management – Information Systems Major (The University of Akron)
GPA: 3.72/4.0 – Graduated: December 1997
- Master of Business Administration – General Business Major (Youngstown State University)
GPA: 3.4/4.0 – Graduated: June 1994
- Bachelor of Science in Business Administration – Accounting Major (Youngstown State University)
GPA: 3.36/4.0 – Graduated: June 1988

CERTIFICATION:

- Current
 - CCNA (Cisco Certified Network Associate) (Mar 2013)
 - Cisco CyberOps Associate (Jan 2021)
 - CCAI – Cisco Certified Academy Instructor (Jan 2015)
- Past
 - *CCNA Route & Switch (Mar 2013)
 - *CCNA Wireless (June 2017)
 - *CCNA Security (June 2018)
 - JNCIA Junos – Juniper (Mar 2017)
 - CCDA - Cisco Certified Design Associate
 - MCSE - Microsoft Certified Systems Engineer, Windows NT 4

*Certifications listed as past, only due to Cisco having restructured the certification program and discontinuing the certification and associated certification exams. I've maintained the certifications through recertification within every three years.

TEACHING EXPERIENCE**Kent State University****January 2017-Present****COLLEGE OF AERONAUTICS AND ENGINEERING****COMPUTER ENGINEERING TECHNOLOGY / CYBERSECURITY ENGINEERING**

Kent State serves approximately 39,000 students across an eight-campus system offering over 282 undergraduate programs.

Lecturer

In addition to the teaching course load, responsible for course development, creating course syllabus, selecting textbooks for courses, utilizing LMS, attending various meetings, and participating on college committees.

Undergraduate Courses Taught

- ENGR 10001 – Information Technology (course discontinued)
- ENGR 13585 – Computer Aided Engineering Graphics
- ENGR 26220 – Programming for Engineers
- ENGR 26222 – Programming for Engineers Laboratory
- ENGR 26305 – Networking I
- ENGR 26306 – Networking I Laboratory
- ENGR 33020 - Computer Hardware II (course discontinued)
- ENGR 36305 – Networking II
- ENGR 36306 – Networking II Laboratory
- ENGR 36620 - Project Management for Engineering-Technology
- ENGR 37777 – Cybersecurity Operations
- ENGR 37778 – Cybersecurity Operations Lab
- ENGR 46099 – Computer Engineering Capstone
- ENGR 46300 – Network Security
- ENGR 46312 – Wireless Networks and Telecom Systems
- ENGR 46351 - Network Management and Design
- ENGR 46352 - Network Management and Design Laboratory

**Graduate Courses Taught**

- ENGR 56312 – Wireless Networks and Telecom Systems
- ENGR 56350 - Network Management and Design Technologies
- ENGR 60000 – Project Management
- ENGR 64095 – Computer Hardware II (course discontinued)
- ENGR 64312 – Advanced Wireless Technologies
- ENGR 66380 - Advanced Networking
- ENGR 66382 – Network Security

Member of: NTT Search Committee (Fall 2022); Graduate Faculty Council (Beginning September 2018); College Advisory Committee (September 2020 – Present); College Curriculum Committee (August 2018 – May 2020; August 2023 - Present); Campus Climate Committee (Spring 2018); NTT Search Committee (Fall 2017); NTT Reappointment Committee; Great Place Initiative (Fall 2019); GPI Student Subcommittee | Unwanted Sexual Contact | Faculty Group (Fall 2019); Data Analytics Research Infrastructure Subcommittee (Spring 2021.)
Cisco Networking Academy Advisory Board (FY21 to present.)

Bronze Teaching Recognition Award: Canvas in a Flash (Fall 2021.)

Primary point-of-contact for Cisco Network Academy at Kent State University.

Fulton-Montgomery Community College**September 2014-December 2016****DEPARTMENT: COMPUTER SCIENCE**

Part of the State University of New York, FMCC serves approximately 2,800 students offering over 40 degree and certificate programs.

Instructor

In addition to the teaching course load, responsible for creating course syllabus, selecting textbooks for courses, utilizing LMS, completing course assessments annually, completing program reviews annually, attending various meetings, and participating on college committees.

- COT132 – Cisco Networking II (Cisco Networking Academy: Routing & Switching Essentials)
 - *Programs:* Computer Networking, A.A.S.; Computer Technology, A.A.S.
- COT131 – Cisco Networking I (Cisco Networking Academy: Introduction to Networks)
 - *Programs:* Computer Networking, A.A.S.; Computer Information Systems, A.A.S.; Computer Technology, A.A.S.
- CIS241 – Networking Concepts
 - *Programs:* Computer Information Systems, A.A.S.; Computer Networking, A.A.S.; Computer Science, A.S. (as elective)
- CIS240 – Hardware Concepts
 - *Programs:* Computer Information Systems, A.A.S.; Computer Networking, A.A.S.; Computer Science, A.S. (as elective)
- CIS105 – Computer Applications (Microsoft Word, Excel & PowerPoint)
 - *Programs:* Most non-Computer Science and Computer Information Systems programs
- CIS110 – Spreadsheets & Databases for Professionals (Microsoft Excel & Access)
 - *Programs:* Computer Information Systems, A.A.S.; Computer Networking, A.A.S.; Computer Science, A.S.

Business Institute of Pennsylvania**May 1989 – June 1991; and February 1994 – January 1995**

A small privately-owned business school serving approximately 325 students. Sold in 2007 becoming the Laurel Business Institute.

Instructor

- Instructor of a variety of business courses including: accounting, payroll, management, business math, principles of computers, and Lotus 1-2-3.
- Responsible for designing course syllabi, content and choosing the text.
- Student Council advisor.

**Youngstown State University****March 1987 – June 1988**

A state institution offering over 100 undergraduate majors and 35 master's programs, awarding certificates, associate, and bachelor's, degrees as well as doctorates in educational leadership (Ed.D.) and physical therapy (DPT) with an enrollment over 15,000.

Tutor (part-time)

- Tutored individuals taking accounting classes.

MEMBERSHIPS, WORKSHOPS, CONFERENCES

- Emerging Technologies Workshop - Model Driven Programmability Fall 2019
- Cisco Great Lakes Academy Conference Spring 2019
- FIRST Robotics Fall 2018
- Northeast Cisco Academy Conference June 2016
- AAUW Tech Savvy Summit for Girls May 24, 2016
- Active Shooter Training May 2016
- Creating an Effective Syllabus Workshop November 20, 2015
- Northeast Cisco Academy Conference June 2015
- Cisco IPv6 Training November 4, 2014
- Cisco CCAI Fast Track Instructor Training October 31, 2014
- Educause membership March 2005 – July 2014
- NYSERNet-Rochester Area College Committee Annual Meeting December 2011-2013

PROFESSIONAL WORK EXPERIENCE**Ithaca College****March 2010 – July 2014**

A private liberal arts college serving approximately 6,800 FTE students and approximately 500 faculty and 1,000 staff.

Director, Infrastructure and Communication Services (ICS)

- Direction and management of Infrastructure and Communications Services (ICS) division of Information Technology Services (ITS) comprised of 20 staff across 4 areas: 6 Network Services, 8 System Administration, 4 Operations, and 2 Telephone Services.
- Responsible for all campus-wide network operations, system administration, telephone services, and two data centers.
- Provide technical leadership and knowledge to ICS staff and encourage staff to expand technical knowledge.
- Attend faculty and staff liaison meetings to inform and educate faculty and staff on topics relating to infrastructure and communications services.
- Responsible for and instrumental in the development of the specifications to expand campus Wi-Fi environment to 802.11ac specifications.
- Responsible for the acquisition and installation of a new centralized UPS and transfer switch supplying power to one of the Data Centers and associated Switch Room (MDF), resulting in greater energy efficiencies, redundancy, and better space utilization.
- Oversaw the upgrade of the campus Telephone PBX and associated power supply.
- Project manager for solution that integrates Microsoft 2012 Server Remote Desktop capabilities and Streaming applications. Known internally as Secure Workstation.
- Worked in conjunction with Facilities to educate Facilities staff on the need for reliable cooling resulting in improved reliability of cooling in the Switch Rooms (MDF.)
- Project manager for and primary responsibility for having developed a process to migrate systems and services to a newly redesigned network. Known internally as Data Center Migration.
- Designed, planned for, and implemented layout for server racks and cabling in the data centers so they operate more effectively and efficiently.



- Develop long range planning for ICS to better position the department for the ever-increasing demands on information technology.
- Develop and compile ICS departmental annual budget based on infrastructure and business requirements analysis.
- Evaluated various SAN vendor solutions and provided the leadership in managing the implementation of a new Compellent SAN.

Denison University

March 2005 – February 2010

A private liberal arts college serving approximately 2,050 full-time residential students and approximately 201 faculty and 500 staff.

Technical Services Manager, Information Technology Services (ITS)

- Management of Technical Services department (a division of ITS) staff: 3 systems administrators/engineers, 1 network engineer, 2 desktop technicians.
- Responsible for Network Operations Center (NOC), campus-wide network operations.
- Enthusiastically developed and taught Microsoft Excel workshops for faculty and staff ranging from the basics to advanced classes including complex formula development and use in Excel.
- Designed and implemented layout for server racks and cabling in the NOC so it operates more effectively and efficiently.
- Develop and compile Technical Services departmental annual budget based on infrastructure and business requirements analysis.
- Provided overall project management, oversight, leadership and coordination of vendors, Technical Services technicians, and Facilities Services to ensure the successful implementation of campus-wide wireless.
- Evaluated various SAN vendor solutions and provided the leadership in managing the implementation of a new EMC SAN.
- Based on University's technology needs, selected VMware for server virtualization and managed the implementation of the VMware.
- In the initial stage of budgeting for, planning, designing, and vendor product evaluation for the core network upgrade to include 10GB performance.
- Collaborated with others within the ITS department in the implementation of a student print management system.
- Collaborated within ITS and with the Denison community to develop the strategic plan for Technical Services.
- Attended SANs Security Training.

Datavantage

November 2001 – March 2005

Successful point-of-sale software, development company that purchased the STR portion of Applied Digital Solutions in November of 2001. Retained as an employee at Datavantage.

Director of Information Technology

- Management of IT staff: 2 network administrators/engineers, 1 PC support specialist, 1 telecommunications engineer, and 2 applications programmers.
- Responsible for the computer and telecommunications operations for 300 employees including the operations of a 65-person 24x7x365 call center.
- **Solon Office Relocation:** Designed, planned, coordinated, and implemented the move of the entire IT infrastructure to a new location minimizing the disruption to business operations.
 - Designed computer room/datacenter and telecommunications room including environmental, power, and cable management.
 - Designed LAN, WAN, and wireless infrastructure using Cisco switches, WAP, and routers.
 - Coordinated the efforts of multiple vendors including telecommunications, cabling, and equipment movers.
- Oversaw the implementation of new Avaya phone switch.
- Developed the budget for the IT department based on infrastructure and business requirements analysis.
- Improved reliability and capacity of backup by replacing and upgrading equipment utilized during backup through an analysis of the existing process, components and demand.
- Improved reliability of network infrastructure by identifying and replacing older and failing equipment.
- Improved image of IT department by setting a higher standard of professional conduct.



- Improved interdepartmental support and communication by implementing a method for requesting IT support and providing feedback.
- Created and implemented an IT Steering Committee to assist in the identification, facilitation and management of business objectives and alternatives relative to the IT department.
- Planned, designed, and implemented a Citrix server to facilitate remote access.

Applied Digital Solutions (formerly STR)

January 1995 – November 2001

Successful point-of-sale software, development company with clients such as Barney's, Suzy Shier, Polo, and Estee Lauder.

Manager Information Systems from 10/1999 to 11/2001

- **Successful integration of the Call Center operating 24 hours per day, 7 days a week**
 - Designed, planned, and implemented the expansion of computer and telecommunications operations, including ACD, for the addition of a Call Center/Help Desk
 - Expanded the Ethernet infrastructure to include a Gigabit link to the new remote wiring closet.
 - Installed and integrated a high availability Windows 2000 Server using an HP NetServer 6000.
- **Upgrade/Change of System Backup Architecture**
 - Analyzed backup needs and researched backup software and hardware to be used.
 - Implemented ArcServeIT backup software utilizing a Hewlett Packard DLT Autoloader.
 - Successful change in hardware and software used to maintain accurate and reliable backups of over 160 Gigabytes of programming source code, client correspondence, legal documents and e-mail. Achieving a 40% reduction in man-hours overseeing maintenance of a \$50K system.
- **Brecksville Office Relocation**
 - Coordinated and scheduled company relocation of computer network system by planning and organizing a team effort in the dismantling and construction of 7 server systems.
 - Resulting in 100% operational capacity for project completed 3 days ahead of projected deadline.
- Designed, supported, and upgraded 175 node office Ethernet infrastructure; including but not limited to 100 Windows NT 4 / Windows 2000 Professional workstations; 10 Windows NT 4 and Windows 2000 Servers; 6 Hewlett Packard network based printers; 4 Cisco routers; 1 Cisco PIX; 3 Hewlett Packard Procurve Managed Switches; and several lab systems.
- Integrated and configured WAN technology including Microsoft NT 4 RAS and Microsoft 2000 RRAS; Internet access via ISDN and T1; VPN with Cisco and Microsoft; Frame Relay.

Network Administrator/Technical Specialist from 1/1995 to 10/1999

- Instructed clients on how to utilize communications software used to transfer sales data from retail store locations to the home office.
- Successfully planned, designed, and implemented the upgrade Microsoft Exchange Server 4.0 to Microsoft Exchange Server 5.5 Enterprise Edition.
- Developed specifications, planned, recommended and implemented computer network system upgrade of 2 primary servers, MS Exchange Server and PDC/Fileserver, used by over 60 employees resulting in 0% downtime during normal business hours.
- Perform Microsoft SQL Server 6.5 and 7.0 DBA tasks internally and at client sites.
- Evaluate hardware and software and provide specifications for installation internally and at client sites.

Extensive experience with client support requiring troubleshooting, analysis, and resolution of a variety of server and networking issues on Microsoft Windows NT 4/2000 and UNIX based networks.

CBM Computer Center

July 1991 – August 1993

Education Specialist

- Conducted a variety of training classes at Channels 45/49 for high-school teachers. Topics covered in the workshops include: Network Management, Microsoft Works, Express Publisher, WordPerfect, Windows, and Introduction/Advanced DOS.
- Taught classes at the PC Training Center for business professionals covering Paradox and Quattro Pro.



- Trained the end user on the computer systems.
- Consultation with clients to determine the most appropriate computer system to meet their information needs.
- Install personal computers, multimedia systems, and network (Novell Netware) computer systems.
- Test computer systems, diagnose problems, and problem resolution.

TECHNOLOGY SUMMARY

- **Platforms / Operating Systems:** Wireless 802.11a/b/g/n/ac/ax, Windows Server NT 4.0 / 2012, Windows 9x / 2000 / XP / 7 / 8 / 10, Citrix, VirtualBox, Microsoft Hyper-V, Mac OS X, Apple iOS, RS/6000, AIX, Linux, SCO UNIX, UNIX, Novell, DHCP, DNS, firewall, virus protection, SAN, IBM PC, MS DOS.
- **Communications:** Ethernet, Frame Relay, SONET, LAN/WAN, Fiber, PBX, TCP/IP, DS3, T1, Token Ring, CISCO, Switches, Routers, Gateways, Avaya, video conferencing.
- **Databases:** MS SQL Server, MS Access, Sybase.
- **Applications / Industries:** Education, Retail, Point of Sale, Accounting, AP, AR, GL, MS Project, PowerPoint, MS Office, VMware.

Certification Verification

Cisco Certified CyberOps Associate

https://www.credly.com/badges/11ee912f-e727-436d-9e41-9aa0be211a61/public_url

Cisco Certified Network Associate

https://www.credly.com/badges/3ae399e9-e86b-472f-8d8e-b58c9bb651fe/public_url

Cisco Certified Network Associate Security

https://www.credly.com/badges/6bc6a8d4-d379-4e51-9f7d-c55041d743a8/public_url

Cisco Certified Network Associate Wireless

https://www.credly.com/badges/885aaf59-e560-4f29-b7cc-1b151e2e3032/public_url

Cisco Certified Network Associate Routing and Switching

https://www.credly.com/badges/65c59370-0796-4deb-a4be-a4d6c1cdc9ec/public_url

Juniper Networks Certified Associate, Junos

https://www.credly.com/badges/0a3c044a-3d07-4ddc-8ece-c4090d2649dd/public_url