John Fulton

Lecturer and Student Coordinator, Computing Sciences, Franklin University

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Employment History:

Lecturer and Student Coordinator 2024 - current

Franklin University
Columbus, OH

- Preparing and delivering lectures, labs, and other instructional activities for both on-campus and online courses.
- Evaluation of student assignments and providing feedback
- Acting as a point of contact and a resource for students

Instructor 2017 - 2024

Tech Elevator
Columbus, OH

- Coding bootcamp instructor for C#, SQL, JavaScript, CSS, HTML, Jquery, Vue.js, information security, testing, and debugging.
- Provide direct instruction, coaching, feedback, and tutoring.

Senior Programmer/Analyst 2000 – 2016

Grange Insurance Companies
Columbus, OH

- Part of a design and development team for inward and outward facing web pages and web services.
- Technologies include: ASP.Net, C#, VB.Net, SQL, LINQ, Visual Studio, and Google Analytics, and MVC

Adjunct Faculty in Computer Science 1998 – 2009 (part-time)

Franklin University
Columbus, OH

- Provide classroom instruction to major and non-major students in Computer Science
- Teach and lead students through basic concepts of Computer Science, design, programming, testing and documentation using a variety of instructional techniques
- Develop, administer and evaluate labs, quizzes, midterms and finals to meet instructional goals
- Course and workshop development for in-class and online instruction
- Provide instruction in Java, C++, C#, assembly language, machine language, UNIX, design, testing, debugging, networking, computer architecture, and .Net

Vice President of Technology 1994 – 2000

NewFound Technologies, Inc.
Columbus, OH

- Responsible for all software, hardware and systems integration for in-house and contract designers and developers
- Product design and development
- Information gathering, design, estimation, project planning and implementation for custom software development
- Research, design and implementation of development tools and office environment for mobile and flexible sales

and development staff
- Key technologies include C, Oracle, SQL, ODBC, sockets, CGI, HTML, Visual Basic, Computer Telephony Integration, Windows, UNIX and TCP/IP

1979 – 1994

Huntington Banks
Columbus, OH
A series of progressively responsible technical, management and research positions. Specifically:

Senior Technical Consultant 1991 – 1994

- Primary project responsibility: Huntington/AT&T Smart Phone project
- Responsible for team of 3 technical consultants
- Product development and design
- Technical and business planning for a new line of business
- Vendor support and management
- Human interface design
- Technical interpretation, education and evaluation for marketing group
- Sales call planning, preparation and evaluation

Manager of Network and Communication Systems Research 1989 – 1991

- Projects included Virtual Voice Network, Intelligent T-1 multiplexor network, Desk-top videoconferencing
- Reporting to Communications Director (voice and data communications)
- Responsible for up to 4 analysts and project managers
- Research on current and projected industry directions
- Early project management for major implementations
- Internal and external customer consulting and sales support
- Initial management of Local Area Network implementations and support group

Lead Programmer/Analyst 1983 – 1989

- Support for Interactive Voice Response, Automated Teller Machine networks, Wire Transfer, 100 Megabit/second
- inter-host link, inter-organizational file transfer
- Responsible for up to 12 programmers and senior programmers
- Work load, hire/fire and line management responsibilities
- Team building, productivity and quality responsibilities
- Technical resource for internal and external customers

Senior Programmer 1982 – 1983

- DEC, HP, Tandem, Unisys and other environments
- COBOL, C, various assembly and proprietary languages
- Technical leadership on multiple applications across mini-computer and mainframe platforms
- Project management responsibilities across organizational lines

Programmer/Analyst 1979 – 1982

- Assembly and machine language development and hardware integration
- Mini-computer application development, support and vendor liaison
- Progressive responsibility for application support, problem solving and user communication
- Low-level technical troubleshooting of data communications interfaces and problems

Programmer 1978 – 1979

Oregon State University
Department of Physical Oceanography
Corvallis, OR

- Develop, test and integrate standard set of input/output drivers for DEC PDP-11/05 to storage devices
- Design, document, test and integrate software tools to allow interoperation of data gathering system with hard disk, floppy disk, magnetic tape and punched paper tape

Education:

- Master of Science, Information Security (Forensics) , 2014, Utica College, Utica, NY
- Master of Science, Computer Science, 2003 , Franklin University, Columbus OH
- Bachelor of Science, Computer Science, 1979, Oregon State University, Corvallis, OR (Systems Programming concentration)
- Graduate work in Communication and in Industrial & Systems Engineering at The Ohio State University
- Classes, workshops and seminars: Visual C++, CICS, DB2, Network Planning, Local Area Networks, Unix, C, Memory Cards, ISDN, Project Leadership, Exceptional Management Practices and many other technical and management topics

Publications and Patents:

- Communications network interface for user friendly interactive access to online services. [View U.S. Patent number 6,182,052](#) granted January 30, 2001. Based on work done in 1994 for Huntington Banks with co-inventors Marianne Shepard and Thomas Shafer.
- A Human Factors Approach to Non-Human Computer Interaction, or Why My Parrot Needs a Keyboard of His Own. A student paper presented at the 2003 Midwest Region of the Consortium for Computing Sciences in Colleges. Oct. 2003. Denison College, Granville, OH.
- [DARPA Grand Challenge – a pioneering event for autonomous robotic ground vehicles.](#) Fulton, J., & Pransky, J. (2004). Industrial Robot: An International Journal, 31, 414-422.
- Communications network interface for user friendly interactive access to online services. [U.S. Patent number 7,599,858](#) filed January 12, 2005, granted October 6, 2009. Based on work done in 1994 for Huntington Banks with co-inventors Marianne Shepard and Thomas Shafer.
- Solid State Disk Forensics: Is there a path forward? A capstone project submitted in partial fulfillment of the requirements for the degree of Master of Science in Cybersecurity. Utica College, Utica, NY. May, 2014. [Full text](#)

Other:

- Expert Fact Witness – Joao et al v. Sleepy Hollow Bank, Southern District of New York, Case No. 3:03-cv-10199 (2006 – 2010) Provided expert report on obviousness and trial testimony for defendant regarding prior art.
- Expert Fact Witness - Joao Bock Transaction Systems, LLC v. Bank of Stockton, et.al., Central District of California, Western Division, Case No. 2:10-cv-07035 (2011-2013). Provided expert report on anticipation for defendant regarding prior art.
- Expert Fact Witness - Joao Bock Transaction Systems, LLC v. Charles Schwab & Co., Inc., Northern District of California, Case No. 5:13-cv-000693 (2013–2014). Provided expert report on claim construction for defendant.