William Isaac McWhorter, Ph.D.

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EDUCATION

8/2000 – 5/2008
University of North Texas, Denton, TX.
Ph.D. Information Sciences
G.P.A. - 4.0

Dissertation:
> The Effectiveness of Using LEGO® Mindstorms® Robotics Activities
> to Influence Self-Regulated Learning in a University Introductory
> Computer Programming Course

6/1997 - 8/1998
Texas A&M University - Commerce, Commerce, TX.
M.S. Computer Science G.P.A. - 3.83
Networking Track Specialization

9/1992 - 5/1996
East Texas State University, Commerce, TX.
B.S. Mathematics
Final G.P.A - 3.47

Minor - Computer Science
Computer Science G.P.A. - 3.57

Relevant Graduate Level Computer Science, Technology, and Information Science Courses Taken

Object Oriented Programming	Algorithm Design
Visual Basic & Java Programming	Database Systems
Computer Architecture	Automata Theory
Networks and Data Communication	Operating Systems
Networking II (TCP/IP and Unix System Administration)	Neural Computing
Networking III (Unix Network Programming)	Human Computer Interaction
Educational Telecommunications	Interactive Video
Instructional Systems Design	Computers in Curriculum and Instruction
Internet Services	LEGO Mindstorms Robotics Programming (Independent Study)
Cognitive Systems	Internet and Web Multimedia (Project)
Message Design	Distance Education Design and Implementation
Seminar in Information Science	Research Methods
Seminar in Communication and Use of Information	Statistics in Educational Research
Analysis of Educational Technology Research	

Research Interests

Web Programming and Multimedia, Computer Science Education, Data Visualization, Information Security

Programming Languages and Related Technologies

C, C++, JavaScript, PHP, Perl, Java, HTML, Ajax, QBASIC, Pascal, Assembly, Cobol, ADA, Visual Basic

Operating Systems

Windows, Mac OS, DOS, UNIX, LINUX, VMS

Relevant Software Packages Used

MS Visual C++, Dev C++, Net Beans, Borlean Turbo C++, MS Office, Open Office, MS Works, Macromedia DreamWeaver, Macromedia Fireworks, Adobe Photoshop, Macromedia Flash, Various Web Development Tools, BlackBoard, eCollege, Various Multimedia Tools

EXPERIENCE

Northeast Texas Community College   Mt. Pleasant, TX
8/2010 – present

Associate Professor – Department of Computer Science

Courses Taught
- BCIS 1305: (Business Computer Applications)
- COSC 1301: (Microcomputer Applications)
- COSC 1320: (C++ Programming I)
- COSC 2320: (C++ Programming II)
- IMED 1316: (Web Page Design)
- ITSC 2386:   (Internship)

Other Academic Activities
- Faculty Senate Member
- Served on Faculty Senate Ways and Means Committee
- Served on Compliance Report Team for Southern Association of Colleges and Schools (SACS)
- Served on Program Review Team
- Prepared paperwork for curriculum changes to Networking Specialization Track
- Attended Iphone/Ipad development workshop

East Central University   Ada, OK
8/2009 – 7/ 2010

Assistant Professor - Department of Computer Science

Courses Taught
- CMPSC 1113: (Computer Programming I)
- CMPSC 1513: (Computer Literacy)
- CMPSC 3543: (Object Oriented Programming)
- CMPSC 2323: (Internet Programming)
- CMPSC 4983: (Seminar in Networking)

Other Academic Activities
- Attended conferences including Oklahoma Academy of Sciences and Oklahoma Computer Consortium
- Programming Coach for ECU at the ACM Computer Programming Contest
- Completed training courses in BlackBoard Course Management System and Grant Writing

Texas A&M University - Commerce   Commerce, TX
8/2009 - present

Adjunct Professor - Department of Computer Science and Information Systems

Web Based Courses Taught
-   CSCI 251: (Introduction to Information Security, Law, and Ethics)
-   CSCI 440: (Senior Applied Software Project Development)

Texas A&M University - Commerce   Commerce, TX
9/1998 - 5/2009

Instructor - Department of Computer Science and Information Systems

Courses Taught
-   CSCI 126: (Introduction to Computers)
-   CSCI 151: (C++ Programming Fundamentals I)
-   CSCI 152: (C++ Programming Fundamentals II)
-   CSCI 251: (Introduction to Information Security, Law, and Ethics)
-   CSCI 359: (Systems Analysis and Design)
-   CSCI 440: (Senior Applied Software Project Development)
-   CSCI 380: (Web Programming and Interface Design)
-   CSCI 428 / 528: (Advanced Object Oriented Programming)
-   CSCI 543: (Networking II - UNIX administration and TCP/IP)

Other Academic Activities
-   Maintained Wide Area Network Lab of 25 - 30 Linux machines.
-   Served on various faculty committees including Computer Science Undergraduate Curriculum Committee and University Faculty Senate
-   Attended conferences including ACM Special Interest Group for Computer Science Education and Silicon Graphics Linux Conference.
-   Contest Director for UIL Regional Computer Science Contest
-   Taught LEGO® Mindstorms® robotic workshops for grant funded Project STEEM
-   Faculty Sponsor for ACM Student Chapter at TAMU-Commerce

Texas A&M University - Commerce   Commerce, TX
9/97 - 8/98

Teaching Assistant

-   Summer 1998: CSCI 151 (Introduction to C++ Programming)
-   Spring 1998:   CSCI 126 (Introduction to Computers)
-                  CSCI 151
-   Fall 1997:   CSCI 126

Lone Oak I.S.D.   Lone Oak, TX
 8/96 - 6/97

Teacher

-    HS Business Computer Programming
-    8th Grade Computer Literacy
-    7th Grade Math
-    7th Grade Keyboarding
-    Maintained a student lab of 25 Macintosh computers.

PUBLICATIONS AND PRESENTATIONS

McWhorter, W. (2009). An Overview of Tools and Techniques for Photo Geotagging. Oklahoma Academy of Sciences Technical Meeting.

McWhorter, W, & O'Connor, B. (2009). Do LEGO Mindstorms motivate programming students in CS1? Proceedings of the 40th ACM Technical Symposium on Computer Science Education.

McWhorter, W. I. (2008). The *effectiveness of using LEGO Ⓡ Mindstorms Ⓡ robotics activities to influence self-regulated learning in a university introductory computer programming course*. Doctor of Philosophy (Information Science), May 2008, 144 pp., 56 tables, 15 figures, references, 54 titles.

McWhorter, W. I. (2001). Tips for buying your next home computer. *The Pride*, *54*, pp. 4.

HONORS AND ACTIVITIES

- Association for Computing Machinery
- ACM Special Interest Group for Computer Science Education (SigCSE)
- Minister of Music (First Baptist Church, Cumby, TX)
- Member of Alpha Chi Honors Society.
- Presidents List.
- Dean's List.
- Graduated 1st in High School Class.
- Who's Who Among American Universities and Colleges.
- Phi Mu Alpha Music Fraternity
- Accompanist (First Baptist Church, Commerce)
- Praise Band Leader, Wesleyan Campus Ministry

REFERENCES

Available upon request