

John W. Burris

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Education

Louisiana State University, Computer Science, Ph.D. **2005-2012**

Major Professor: Dr. Doris L. Carver

Dissertation Title: Conformance Testing of Peer-to-Peer Systems Using Message Traffic Analysis

Areas of study include: Software Engineering, Networking, Distributed Systems, Programming Languages, Theory of Computing, Cybersecurity, Information Retrieval, and Scientific Computing.

Cumulative GPA of 3.83.

Louisiana Tech University, Computer Science, BS **1999-2003**

Graduated Magna Cum Laude with a GPA of 3.67. Participated in ACM programming competitions. Member of first Computer Science project sponsored by the Center for Entrepreneurship and Information Technology.

Minor in Business Administration.

Experience

Louisiana State University, Department of Computer Science, Baton Rouge **Fall 2005-Spring 2012**

- Instructed "Ethics in Computing" for two semesters. Total enrollment averaged 56 students.
- Developed rubric for evaluation of student performance. Integrated Moodle (LSU's supported course management system) for course organization. Created a podcast for lecture audio and course notes.
- Course evaluated at 3.62 (3.11 average for department) and given a commendation by ABET review board.
- Research Assistant to Dr. Doris L. Carver for six semesters.
- Teaching Assistant for eight semesters. Courses included Software Engineering, Programming Languages (Graduate), Cybersecurity (Graduate), Theory of Computing, Advanced Data Structures, and Programming in C++/Java/MATLAB.

John W Burris Holding, LLC, Franklinton, LA **May 2010-Present**

- Offered consulting services for companies evaluating new technologies and establishing a Web presence.
- Owned and operated a small retail business. (Closed in May 2011)

Network Foundation Technologies, Ruston, LA **May 2003-August 2005**

- Developed system for broadcasting and viewing peer-to-peer online video broadcasts.
- Led the development of a Windows media client and server. Integrated client with "core" technology that was responsible for network algorithms and communication.

Franklinton High School and Franklinton Junior High School **Spring 2007**

- Taught as Interim Director of Bands. Created an inventory of equipment and a framework for the future budgeting process of the band. Served as coach of tennis team.

Teaching Experience

Louisiana State University (as Instructor)

CSC 1200 – Ethics in Computing - Introduction to ethics theory, ethical decision-making as it relates to the computing professional, licensing, intellectual property, conflicts of interest, freedom of information and privacy, security.

Louisiana State University (as Teaching Assistant)

CSC 4330 – Software Systems - Responsible for all grading as well as guiding students through the software development process in order to help them produce quality projects. Also responsible for grading homework assignments and exams.

CSC 7501 – Programming Languages (Graduate) - Responsible for grading homework and programming assignments. Also gave two lectures on the StandardML programming language and created the related programming assignment.

Additional courses:

CSC 1200 - Ethics in Computing

CSC 4890 - Introduction to Theory of Computation

CSC 2259 - Discrete Structures

CSC 3102 - Advanced Data Structures and Algorithm Analysis

CSC 2533 - Statistics and Graphics with MATLAB

CSC 1248 - Programming With Applications in Statistics

CSC 1253 - Computer Science I with C++

CSC 7700 - Special Topics in Computer Science (Cybersecurity)

Publications:

John W Burris. *Conformance Testing of Peer-to-Peer Systems Using Message Traffic Analysis*. PhD thesis, Louisiana State University, May 2012.

(Submitted) John W. Burris, Doris L. Carver, "Describing Component Behavior in a Distributed System", The Twenty First International Conference On Software Engineering and Data Engineering, 2012.

John Burris, Chris Branton, Doris Carver, "Conformance Testing Peer-to-Peer Systems Using Message Analysis", *Proceedings of SDPS 2010*, 2010.

Allyson Hoss, John Burris, Doris Carver, "Ontology-Based Error Detection in Software Design: A Case Study", *Proceedings of the IASTED International Conference on Software Engineering and Applications (SEA 2006)*, 2006.

Conference and Workshop Attendance:

Society for Design and Process Science (SDPS 2010)

June 6-11, 2010, Dallas, Texas.

29th Int. Conference on Software Engineering (ICSE 2007)

May 20-26, 2007, Minneapolis, Minnesota, USA.

Represented LSU at the 2006 Open Standards Shared Software Infrastructure (SSI) Hub Workshop

March 3-5, 2006, University of Houston, Clear Lake.