Mark Anthony Thompson, Sr.

Department of Computer Science and Engineering • University of North Texas
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EDUCATION

Ph.D.   Computational Analysis and Modeling   2013   Louisiana Tech University

- Concentration: Cyberspace, Network Science and Information Assurance
- Dissertation: "Predicting Threat Potential Using Cyber Sensors"
- Advisor: Vir V. Phoha, Ph.D.

M.S.   Mathematical Sciences   2005   University of Texas at Dallas

M.B.A.   Business Administration   1995   University of Texas at Dallas

B.S.E.   Computer Engineering   1990   Tulane University

RESEARCH INTERESTS

Cyber Security, Network Security, Computer Forensics, Cyber Intelligence

TEACHING EXPERIENCE

University of North Texas   Denton, TX

Senior Lecturer of Computer Science & Engineering   Sep. 2018 – present

Lecturer of Computer Science & Engineering   Jun. 2014 – Aug. 2018

- Center for Information and Cyber Security (CICS) Faculty, UNT, Denton, TX.
- Designated as a National Center for Academic Excellence in Cyber Defense Education (CAE-CDE) and Research (CAE-R) by the NSA and DHS.

Courses taught or currently teaching:

- CSCE 1030   Computer Science I
- CSCE 1040   Computer Science II
- CSCE 2110   Computing Foundations II
- CSCE 2610   Assembly Language and Computer Organization
- CSCE 3110   Data Structures and Algorithms
- CSCE 3600   Principles of Systems Programming
- CSCE 4550   Introduction to Computer Security
- CSCE 4600   Operating System Design
- CSCE 4555   Computer Forensics
- CSCE 5560   Secure Electronic Commerce
- CSCE 5555   Computer Forensics

Northwestern State University of Louisiana   Natchitoches, LA

Assistant Professor & Coordinator of CIS (Tenure-Track)   Aug. 2013 – May 2014

- As Coordinator of CIS, was responsible for managing five student/classroom labs, supervising student lab workers, scheduling classes for the department, overseeing the CIS curriculum, and serving as an interface between the faculty and administration.
- Major highlights included: (1) updating and expanding the CIS curriculum to include concentrations in Application Development and Networking & Systems Management; and (2) working extensively with the Cyber Innovation Center (CIC) and other neighboring universities to bring in the Computer Sciences Corporation (CSC), a fortune 200 company, technology center to Bossier City, LA.

Assistant Professor of CIS (Tenure-Track)   Aug. 2011 – May 2014

Assistant Professor of Mathematics (Tenure-Track)   Aug. 2008 – Jul. 2011

Instructor of Mathematics   Aug. 2007 – Jul. 2008

Adjunct Instructor of Mathematics   Aug. 2006 – Jul. 2007

Courses taught:

- CIS 2000   Spreadsheet Applications (Microsoft Excel Certification)
- CIS 3100   Information Systems and Technology in Business
- CIS 3300   Intermediate Object-Oriented Programming
- CIS 3400   Telecommunications and Networks (Network Pro Certification)
- CIS 3980   Introduction to Information Security (Security Pro Certification)
- CIS 4020   Advanced Object-Oriented Programming
- CIS 4040   Cyber Forensics
- CIS 4100   Web Applications: Server-Side Development
- CSC 1060   Program Design I (Game Development)
- CSC 2060   Program Design II (Game Development)
- MATH 920   Introduction to Basic Mathematics
- MATH 1020   College Algebra
- MATH 1060   Finite Mathematics

St. Mary's High School   Natchitoches, LA

Mathematics Instructor   Aug. 2006—Jul. 2007

Prepared curricula and lectured on topics in Calculus, Advanced Mathematics and Trigonometry, Algebra II, Algebra I, Introduction to Computers, and Introduction to Computer Programming.

Bishop Lynch High School   Dallas, TX

Mathematics Instructor   Aug. 2005—Jul. 2006

Prepared curricula and lectured on topics in Algebra I and Scholastic Aptitude Test (SAT) Preparation. Also served as Assistant Coach in Cross Country and Track & Field.

Tulane University   New Orleans, LA

Academic Tutor, Educational Resource Center   Aug. 1989—May 1990

Tutored students in a structured environment in mathematics, computer science, and engineering undergraduate coursework and presented forums on self-management topics.

PROFESSIONAL EXPERIENCE

Nortel Networks (formerly **Bell-Northern Research**)   Richardson, Texas and McLean, VA

Senior Member of Scientific Staff, GPRS/UMTS Development   Jan. 2002—Jul. 2005

Senior software developer on Nortel's Serving GPRS Support Node (SGSN) platform, primarily responsible for software development using C++ on the Signaling Gateway (SG) component that includes the SS7 protocol stack.

- Subject matter expert (SME) and software code owner for Message Transfer Part Level 3 (MTP3) network layer software, including SME for related features such as SG Enhancements, SG Reset Handling, and Signaling Connection Control Part (SCCP) Overload.

- Key member of InterLan Switching (ILS) Message Router team formed to resolve critical field issues by providing robustness and stability to SGSN platform during component outage conditions through the creation of a message router software layer designed to bypass affected components with minimal processing impact.

- Project lead responsible for all aspects of planning, design, development, testing and support of MTP3 Link Audit feature created to minimize data loss and provide automated real-time link recovery.

- Project lead on MTP3 Robustness for SG Enhancements feature to handle overload conditions on SG, including changing sending priority of SLT message.

- Project lead responsible for all aspects of planning, development, testing, and support of Data Volume Limit (DVL) feature, including interaction with Tariff Time Change Trigger (TTCT) feature.

- Project lead responsible for identifying and quantifying overload controls and behavior with regard to provisioning, statistical counters, alarms and actual overload behavior on the Signaling Gateway (SG).

- Carried Global Product Support (GPS) pager and resolved field issues.

- Carried loadbuild/sanity pager and resolved loadbuild and testing issues for platform.

- Managed documentation and software version control using Rational ClearCase repository.

Advisor, Wireless Service Networking   Oct. 1998—Dec. 2001

Team Leader and systems architect for software design group responsible for technical and strategic leadership to design team as well as customers, including proposal evaluations and hiring of personnel. Projects included NSD500 (X.500/LDAP) Directory; Voice Portal Applications (speech recognition); and Wireless Services Framework (GPRS/UMTS), including Mobile Commerce and Internet Secure Gateway.

- Followed relevant standards such as DEN/CIM, PKI (X.509), F.510, and X.500/LDAP, within the ITU, IETF, DMTF, and W3C organizations for strategic product direction.

- Sole architect for NSD500 platform, including achieving Entrust Directory Certification on NSD500 Directory product for Entrust Directory Partner program.

- Knowledgeable in security standards, such as SSL, WTLS, X.509, and PKCS, and related technologies that include authentication, authorization and cryptography.

- Experienced with commerce-related functionality such as wallets, rating, and the SET protocol.

- Carrier Class Directory and Directory-Enabled Network (DEN) architect, including schema development for Omega, Amazon, and Entrust projects and architecture for directory-enabling cable modem provisioning.

- Project lead responsible for all aspects of planning, development, testing, and support of ChangeLog feature on NSD500.

- Interface to business and design teams for potential and existing directory product customers, including reviewing and assessing requirements in base directory technology as well as technology transfer and feature sizing.

- Team Leader for Voice Navigation project (i.e., speech recognition using VoiceXML) that included technical, managerial, and architectural leadership.

- Development in object-oriented programming using Java and C++ on Unix platform and PC-based environments, including source code management in ClearCase and Product Library System (PLS).

- Received recognition (PRIDE Award) for outstanding activities relating to NSD500 Directory product.

- Patent filed for *A High Availability Architecture for Carrier-Class X.500 Directory Servers*.

Services Consultant, ServiceBuilder   Oct. 1997—May 2001

Responsible for all phases of planning, development, testing, support, documentation, and administration of custom AIN0.1 services on Nortel's ServiceBuilder (SB) platform for Local/Retail Services group at MCI Worldcom. Also served as systems architect in proposing SB solutions to Nortel customers and advising on strategic direction and feature interactions.

- Performed seamless integration of SB Service Control Point (SCP) services with a DMS-100 Class 5 Service Switching Point (SSP).

- Provided support and consulting support to Local/Retail Services AIN group at MCI Metro, including training on SB Service Order Provisioning (SOP), Service Creation Environment (SCE) architecture, and Service Independent Building Block (SIBB) creation.

- SB architect for Concert Communications Services and DMS-GSP network rationalization and design effort to migrate existing and design new SB services.

- Interface to business and design teams to craft technical design documents and prepare design estimates and responses to customer.

- Technical team leader to provide a Method Of Procedure (MOP) for dual provisioning during the upgrade for MCI SB product.

- Researched and supported technologies and protocols that interworked with SB platform such as AIN0.1, H.323, CS-1R, CCS7/SS7, TCAP/SCCP, SNMP, and databases.

- Implemented custom SIBBs on the SB platform using C++ based on customer requests.

- Solely responsible for all phases of service planning, analysis, design, development, testing and support of custom secure services on ServiceBuilder platform to support a classified mission.

Senior Member of Scientific Staff, Int'l Switching Development   Mar. 1996—Oct. 1997

Project leader and senior software developer responsible for feature development on the DMS-Global Services Platform (GSP). Duties also included serving in a management capacity when required, mentoring junior designers, and sizing proposed feature work through research and prototyping.

- Responsible for CS-1R compliant IN support for ISDN trunk agencies, including ETSI, ANSI, and Dutch variants.

- Technical project lead on link layer software development team implementing the DPNSS and DASS2 signaling trunk protocols.

- Team Leader for Intelligent Networks Application Part (INAP) Support for Primary Rate Interface (PRI) project.

- ITU TCAP/SCCP protocol development for IN applications.

- Recognized for outstanding design contribution for the introduction of the Global Services Platform (GSP).

Senior Member of Scientific Staff, MSL-100 Product Support   May 1990—Mar. 1996

Technical team leader for all areas of software support on the MSL-100 (PBX) product. Duties also included serving in a management capacity when required, screening incoming problem reports, mentoring junior engineers, and interviewing personnel.

- Established and maintained standards for the software patch process to prevent defects and maintain design principles.

- Responsible for responding to critical customer issues and outages via pager and performing thorough follow-up investigations of outages and degradations affecting the product.

- Responsible for creating, inspecting and approving software patches.

- Technical interface with design community and Technical Assistance Support (TAS) team to ensure issues are resolved according to design specifications.

- Subject matter expert (SME) on voice and data terminals, line and trunk agencies, feature processing environment (FPE), automatic call distribution (ACD), peripheral modules such as the Digital Line Module (DLM) and Intelligent Peripheral Equipment (IPE), attendant consoles (operator services), Autovon (military) applications, and all areas of software patching.

Summer Intern, User Support   Summers 1988, 1989

Rendered technical assistance on the help line to engineers with software and hardware difficulties on Unix, DOS, Macintosh, and Mainframe platforms. Also created and managed

software databases for the department and presented forums on various hardware and software packages for the lab.

Tulane Computing Services New Orleans, Louisiana

Information Systems Consultant Sep. 1987—May 1990

Rendered technical assistance to Tulane faculty, staff, and students with software and hardware difficulties on Mainframe, DOS, and Macintosh platforms.

PATENTS

- Mark Thompson and Vir Phoha, *Predicting Threat Potential Using Cyber Sensors*, Louisiana Tech University, United States Patent Application No. 61/983,797 filed on April 24, 2014.

- Pat Conley, Mark Thompson, and Weilin Wang, *A High Availability Architecture for Carrier-Class X.500 Directory Server*s, Nortel Networks, Patent Filed November 1, 2000.

JOURNALS

- Shanti R. Thiyagaraja, Ram Dantu, Mark A. Thompson, Pradhumna L. Shrestha, Tom Sarma, M.D., and Siva Dantu, M.D., "A Novel Heart-Mobile Interface For Detection and Classification of Heart Sounds", *Biomedical Signal Processing and Control*, Volume 45, pp. 313-324, August 2018.

- Mark Thompson and Hassan Takabi, "Effectiveness of Using Card Games to Teach Threat Modeling for Secure Web Application Developments", International Association for Computer Information Systems (IACIS), *Issues in Information Systems*, Volume 17, Issue III, pp. 244-253, 2016.

BOOK VOLUMES AND CHAPTERS

- Ramon E. Moore, R. Baker, Kearfott, and Michael J. Cloud, *Introduction to Interval Analysis*, SIAM, Philadelphia, 2009 (individual contributor cited in the preface of the book for supplying valuable corrections and suggestions to the manuscript).

- Mark Thompson, *Mark's Easy Solution to the Rubik's Revenge,* Self-Published, 1983.

TUTORIALS AND INVITED TALKS

- Mark Thompson, "Safely Navigating the Internet", Senior Members Group, The Episcopal Church of the Annunciation, Lewisville, TX, August 11, 2018.

- Mark Thompson, "Introduction to Cryptography", Higher Learning Men's Group, The Episcopal Church of the Annunciation, Lewisville, TX, July 10, 2018.

- Mark Thompson, "The Ups and Downs of Cryptocurrencies", Great Conversations 2018, UNT Honors College, Denton, TX, March 1, 2018. Internet: honors.unt.edu/great-conversations.

- Mark Thompson, "Cybersecurity and How to Protect your Connected Crock-Pot", Great Conversations 2017, UNT Honors College, Denton, TX, February 28, 2017. Internet: honors.unt.edu/great-conversations, Blog: wedentondoit.com/blog/2017/2/12/table-talk-great-conversations-at-unt.

- Mark Thompson, "Message Transfer Part Level 3 (MTP3) in the SS7 Protocol Stack", Nortel Networks, Richardson, TX, July 2005.

- Mark Thompson, Minheng Wu, and John Xiao, "Internet Secure Gateway using SSL Technology for Mobile Commerce", Nortel Networks, Richardson, TX, March 20, 2001.

- Brandon Kleinwort, John Xiao, and Mark Thompson, "Extended Dimensionality Display", Nortel Networks, Richardson, TX, December 6, 2000.

- Mark Thompson, "XML Overview", Nortel Networks, Richardson, TX, August 18, 2000.

- Mark Thompson, "Digital Private Network Signaling System (DPNSS) on the Global Services Platform", Nortel Networks, Richardson, TX, April 1997.

- Mark Thompson, "Complete Overview of Troubleshooting XPM Software", XPM Workshop, Nortel Networks, October 16, 1996.

- Mark Thompson, "Security for Macintosh and IBM PC", User Support Forum, Nortel Networks, August 17, 1988.

CONFERENCES

- Mark Thompson and Ram Dantu, "Bridging the Gap: Developing Innovative Minds Early On for Cybersecurity", 2018 CAE in Cybersecurity Community Symposium, Miami, FL, November 8-9, 2018.

- Rajasekhar Ganduri, Samuel Evans, Logan Widick, Mark Thompson, and Ram Dantu, "Adapting Security Through Community Engagement", 2018 CAE in Cybersecurity Community Symposium, Miami, FL, November 8-9, 2018.

- Jagannadh Vempati, Ram Dantu, and Mark Thompson, "Uninterrupted Video Surveillance in the Face of an Attack", in *2018 17th IEEE International Conference on Trust, Security and Privacy in Computing and Communications / 12th IEEE International Conference on Big Data Science and Engineering (TrustCom/BigDataSE)*, New York, NY, USA, August 1-3, 2018.

- Nilanjan Sen, Ram Dantu, Jagannadh Vempati, and Mark Thompson, "Performance Analysis of Elliptic Curves for Real-Time Video Encryption", National Cyber Summit 2018 (NCS18), Huntsville, AL, June 5-7, 2018.

- Shanti R. Thiyagaraja, Ram Dantu, Pradhumna L. Shrestha, Mark A. Thompson, and Christopher Smith, "Optimized and Secured Transmission and Retrieval of Vital Signs from Remote Devices", in Proceedings of the *2017 IEEE/ACM Second International Conference on Connected Health: Applications, Systems and Engineering Technologies (CHASE 2017)*, Philadelphia, PA, USA, July 17-19, 2017.

- Jagannadh Vempati, Mark Thompson, and Ram Dantu, "Feedback Control for Resiliency in Face of an Attack", in *Proceedings of the 12th Annual Cyber and Information Security Research Conference (CISRC '17)*, Oak Ridge, TN, USA, April 4-6, 2017.

- Pat Conley, Mark Thompson, and Weilin Wang, "A High Availability Architecture for Carrier-Class X.500 Directory Servers", Directory Special Interest Group (DSIG), Directory Special Interest Session (SIS) #4, Rochester, NY, October 12, 1999.

- Mark Thompson, "Directory Schema Design in X.500 & LDAP Directories", Directory Special Interest Group (DSIG), Directory Special Interest Session (SIS) #3, Rochester, NY, September 15-16, 1999.
- Mark Thompson, "Network Information Services Carrier Class Directory (CCD)", Directory Special Interest Group (DSIG), Directory Special Interest Session (SIS) #2, Rochester, NY, June 10, 1999.
- Mark Thompson, "Directories vs. Databases", Directory Special Interest Group (DSIG), Directory Special Interest Session (SIS) #1, Rochester, NY, May 20, 1999.

PANELS

- Tastle, W., Longenecker B., Feinstein, D., Guarneri, J., Pierce, M., Russell, J., Thompson, M. (2013). "Is Now the time to Bring Business Intelligence into the Curriculum?" In *The Proceedings of the Information Systems Education Conference*, v30 n.2654, San Antonio, TX, November 7-9, 2013. Internet: http://proc.isecon.org/2013/panels/2654.html.

GRANTS

- PI, "Multifaceted Outreach Program for Students, Teachers, and Professionals", August 2017, State Farm Systems Priority Grant, $24,000.
- Co-PI, "SFS-NEW: Advancing Learning and Leadership Through an Integrated Multidisciplinary Doctoral Program in Information Assurance", July 2016, NSF REU Grant, $16,000.
- PI, "Data and Communications Networking Laboratory", October 2013, Louisiana Board of Regents Undergraduate Enhancement Program, $14,561.
- Co-PI, "Mobile Applications Development Laboratory", October 2013, Louisiana Board of Regents Undergraduate Enhancement Program, $16,673.
- Co-PI, "Engaging Students in Discrete Mathematics", April 2011, Louisiana Board of Regents Undergraduate Enhancement Program, $125,361.

SUMMER CAMPS

- Mark Thompson, "Computer Data Recovery and Web Browser Forensics", Cyber Forensics Camp, sponsored by Cyber Innovation Center (CIC), Northwestern State University, July 2012.
- Mark Thompson, "Computer Data Recovery and Web Browser Forensics", Cyber Forensics Camp, sponsored by Cyber Innovation Center (CIC), Northwestern State University, July 2011.

Peer Reviewed Journals

- Reviewer for Elsevier Computers & Security, 2017 – present.

PROFESSIONAL ORGANIZATIONS

- Association of Information Technology Professionals (AITP), 2013 – 2014.
- Education Special Interest Group (EDSIG) of AITP, 2013 – 2014.

- LA/MS Section of the Mathematical Association of America (MAA), 2008 – 2013.
- Certified Official, Southern Association of USA Track & Field, 2009—2012.

CERTIFICATIONS

- Microsoft Office Specialist, Microsoft Office Excel 2010, Microsoft Certification ID: 8597141, September 2011.

SERVICE

University Service

- Faculty Advisor, Mobile Application Development (M.A.D.) organization, UNT, 2018 – present.
- Fall 2018 Mean Green Merit Day, Computer Science and Engineering, UNT, November 2, 2018.
- First Flight Faculty Tour Leader, Computer Science and Engineering, UNT, August 22, 2018.
- Faculty Mentor to Junior CSE Faculty, UNT, July 2018 – present.
- Course Coordinator, Secure Electronic Commerce (CSCE 4560), UNT, January 2018 – present.
- Co-PI for National Center for Academic Excellence (CAE) in Cyber Defense Education (CDE) through Academic Year 2022, UNT, November 2017.
- Committee Member, Lecturer Faculty Search Committee, UNT, 2017.
- Committee Member, Undergraduate Subcommittee to evaluate and make recommendations on possible changes to foundations, data structures, and algorithms courses, UNT, March 2017.
- Committee Member, Security Faculty Search Committee, UNT, 2016 – 2017.
- Committee Member, Student Appeals Committee, UNT, 2016 – 2017.
- Peer Mentor Coordinator, CSE Department, UNT, May 2016 – present.
- Computer Science Advisor, Department of Computer Science and Engineering, UNT, June 2016 – present.
- Course Coordinator, Principles of Systems Programming (CSCE 3600), UNT, January 2016 – present.
- Committee Member, Steering and Program Committee, Workshop on *Hot Topics in Networking and Security* (HoNeST), Plano, TX, March 27, 2015.
- Computer Science and Engineering Presenter, Mean Green Merit Day, UNT, October 30, 2015.
- First Flight Faculty Tour Leader, Computer Science and Engineering, University of North Texas, August 20, 2015.
- Faculty Advisor, NASA Texas Space Grant Consortium (TSGC) Design Challenge, Multi-Modal Human Interfaces Habitat System, UNT, 2014 – 2015.
- Committee Member, CSE Undergraduate Committee, UNT, August 2014 – July 2016 and August 2018 – present.
- Committee Member, CSE Scheduling Committee, UNT, August 2014 – February 2015.
- Academic Advisor, Department of Computer Information Systems, NSU, 2011 – 2014.

- Judge, FBLA District III Conference, NSU, 2012 – 2014.

- Moderator, Northwest Louisiana High School Literary Rally, NSU, 2007 – 2014.

- Committee Member, SACS Compliance Committee, for recruitment materials and presentation to accurately represent the institution's practices and policies, NSU, 2012.

- Planning Committee Member, Electronic Initiatives Group, to develop and expand online learning activities, NSU, 2011 – 2014.

- Moderator and Judge, Demon Math Classic, NSU, 2007—2011.

- Mathematics Planning Committee Member, for the planning and development of mathematics concentration in healthcare informatics, NSU, 2011.

- Planning Committee Member, University Center for Excellence in Teaching and Learning, to support University's efforts to sustain research, NSU, 2010—2011.

Ph.D. Dissertation Committees:

- Quentin Mayo, "Detection of Generalizable Clone Security Coding Bugs Using Graphs and Learning Algorithms", UNT, October 2018.

- Jagannadh Vempati, "A Control-Theoretic Approach for Resilient Network Services" UNT, July 2018.

- Dmitry Nurmuradov, "Hybrid Approaches in Test Suite Prioritization", UNT, December 2017.

M.S. Thesis Committees:

- Steffy Ann Mathews, "Optimization of an SDR Based Aerial Base Station", UNT, May 2017.

- Rajasekhar Ganduri, "Network Security Tool for a Novice", UNT, May 2016.

- Tawfiq M. Shaw, "Radium: Secure Policy Engine in Hypervisor", UNT, May 2015.

- Mohan Krishna Tarigopula, "Integrity Verification of Applications on Radium Architecture", UNT, May 2015.

Professional Service

- Information Technology Consultant, The Episcopal Church of the Annunciation, Lewisville, TX, April 2015 – present.

- Technical Advisor, Cyber Science, NSU Middle Lab School, 2012 – 2014.

- Information Technology Specialist, Trinity Episcopal Church, Natchitoches, 2006 – 2014.

- Volunteer Coach, MATHCOUNTS, Natchitoches, LA, 2010—2011.

- Member of Steering Committee and Software Developer of Race Management Software, Natchitoches Habitat for Humanity 1-Mile and 5K Run/Walk, Natchitoches, LA, 2010.

Community Service

- Sound Team Member, The Episcopal Church of the Annunciation, Lewisville, TX, May 2016 – Present

- Course/Race Volunteer, Marcus High School Cross Country & Track Program, Flower Mound, 2015 – 2018.

- Reader/Lector, The Episcopal Church of the Annunciation, Lewisville, TX, June 2014 – Present.

- Sunday School Teacher, 4th-5th Grade Children's Christian Formation, The Episcopal Church of the Annunciation, Lewisville, TX, June 2014 – Present.

- Ministry Leader, Annunciation Running Club, The Episcopal Church of the Annunciation, Lewisville, TX, June 2014 – January 2018.

- Meal Service Volunteer, Austin Street Center (Dallas, TX), Monthly, August 2014 – July 2015.

- Merit Badge Counselor, Boy Scouts of America, Troop 114 (Lewisville, TX), November 2014 – January 2017.

- Marshall and Umpire, NSU Track & Field Invitational, NSU, 2007 – 2013.

- Marshall and Umpire, Southland Conference Outdoor Track & Field Championships, NSU, 2011.

- Robotics Merit Badge Counselor, Boy Scouts of America, Troop 60, Natchitoches, LA, 2012 – 2014.

- Den Leader, Boy Scouts of America, Pack 60, Den 8, Natchitoches, LA, 2009 – 2012.

- Sunday School Teacher, Christian Formation for Children, Trinity Episcopal Church, Natchitoches, LA, 2006 – 2014.

HONORS AND AWARDS

- Mean Green Faculty/Staff Spotlight Award, given to UNT faculty and staff members who have been instrumental in supporting and advocating for UNT student athletes, November 2018.

- Nominated for the 'Fessor Graham Award, the highest honor given to a UNT faculty member directly from the student body, to recognize a faculty member who shows outstanding and unselfish service to students, 2017.

- Nominated by Daniel Merlino, Outstanding Junior in Computer Science, as member of faculty at UNT who has been a source of support and inspiration for Honors Day Convocation, April 2017.

- Nominated by Katie Ouellette, Outstanding CSE Department Freshmen, as member of faculty at UNT who has been a source of support and inspiration for Honors Day Convocation, April 2016.

- BellSouth Endowed Professorship for Telecommunications, NSU, 2013 – 2014.

- Roy O. Martin, Sr., Endowed Professorship for CIS, NSU, 2011—2012 and 2012 – 2013.

- Guest Coach, Lady Demons Soccer Team, for going above and beyond to help student-athletes, NSU, September 2011.

- LA/MS MAA Section NExT (New Experiences in Teaching) Fellow, 2008—2009.

- Sports Honor Roll, Bishop Lynch High School, Dallas, TX, Inducted 2005.

- Outstanding Contribution to the Introduction of the Global Services Platform, Nortel Networks, Richardson, TX, 1997.

- Eta Kappa Nu, Electrical Engineering Honor Society, Tulane University, 1990.

- Phi Eta Sigma, Freshman Honor Society, Tulane University, 1987.

ADDITIONAL INFORMATION

- U.S. Citizen

- Security Clearance – Inactive

- Bilingual in English and Spanish.

- Extensive knowledge in numerous computer operating systems, applications, programming languages, markup technologies, and protocols.

REFERENCES

- Available upon request.