

# JOHN M. ROMERO

Texas A&M Cybersecurity Center  
Texas A&M School of Law  
Computer Science and Engineering, Texas A&M University  
Texas A&M Engineering Experiment Station (TEES)

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## Executive Summary

Cybersecurity instructor, maker of IoT devices, tech enthusiast, software developer, private pilot, U.S. Air Force veteran, and electronic warfare technician. Now serving as an Adjunct Professor of Law at the Texas A&M School of Law, teaching Digital Forensics (LAW 623) and integrating cybersecurity with legal applications. Mentor, coach, and facilitator for young adults entering the workforce. Passionate instructor and influencer for positive ethical leadership. My research interests include cybersecurity, social engineering, the human element in cybersecurity, smart manufacturing, and industrial Internet of Things (IIoT) hacking.

## EDUCATION

**Texas A&M University**, College Station, Texas (2023-2024)

- **Master of Engineering in Engineering** with a Specialization in **Cybersecurity**, 2024

**Georgia Institute of Technology (Georgia Tech)**, Atlanta, Georgia (2019-2020)

- Classes towards Cybersecurity, Master of Science (Online)
- Completed courses: Information Security Policies, Introduction to Information Security

**Texas A&M University**, College Station, Texas

- **Computer Science, Bachelor of Science**, 1996
- Minor, Geographic Information Systems (GIS)
- Overall GPA 3.11

**Blinn College**, College Station, Texas

*August 1990 - December 1992*

- Overall GPA 3.8, President's Scholar, and Blinn Distinguished Student

**Community College of the Air Force**, U.S.A.F.

*August 1986 – August 1993*

- U.S. Air Force Active Airman/NCO for 5th Bomb Wing; NCO at Texas Air National Guard for 147th Attack Wing
- Worked on credit hours towards an associate degree in Avionic Maintenance

## Professional Certifications

- **Cybersecurity Risk Awareness for Officials and Senior Management**, 4 hours, Texas A&M Engineering Extension Service, 2025
- **Instructional Design and Evaluation**, 40 hours, Texas A&M Engineering Extension Service, August 2015
- **Digital Forensics Basics**, 7 hours, Texas A&M Engineering Extension Service, May 2015
- **Cyber Incident Analysis and Response**, 10 hours, National Emergency Response and Rescue Training Center, November 2015
- **Introduction to Incident Command System ICS-100**, Federal Emergency Management Institute (FEMA), January 2015
- **Cyber Law and White-Collar Crime**, 10 hours, National Emergency Response and Rescue Training Center, June 2015

- **Cybersecurity Requirements for Defense Contractors**, NIST MEP, August 2020
- **Information Security for Everyone**, 10.5 hours, National Emergency Response and Rescue Training Center, November 2015
- **Understanding Targeted Cyber Attacks**, 8 hours, National Emergency Response and Rescue Training Center, August 2019
- **Cybersecurity Incident Response for IT Personnel**, National Emergency Response and Rescue Training Center, March 2018
- **Physical and Cybersecurity for Critical Infrastructure**, 8 hours, National Emergency Response and Rescue Training Center, September 2017
- **Promoting Community Cybersecurity**, 6 hours, National Emergency Response and Rescue Training Center, October 2016
- **Essentials of Community Cybersecurity**, 4 hours, National Emergency Response and Rescue Training Center, March 2015
- **The Emergency Operations Center's Role in Community Cybersecurity**, 12 hours, National Emergency Response and Rescue Training Center, March 2015
- **Community Cybersecurity Exercise Planning**, 12 hours, National Emergency Response and Rescue Training Center, April 2015
- **Secure Software**, 5 hours, National Emergency Response and Rescue Training Center, June 2015
- **WebEOC: Operations Technology in Support of Local Jurisdictions**, Texas Division of Emergency Management, 1 hour, August 2020
- **Internal Cyber-Risk in Manufacturing**, 1 hour, Texas A&M Engineering Extension Service, March 2024
- **Cyber Threats to Manufacturers & Business**, 1 hour, Texas A&M Engineering Extension Service, March 2023
- **Disney's Approach to Leadership Excellence**, Disney Institute, February 2015

### **TEACHER / EDUCATOR EXPERIENCE**

(\*denotes course curriculum development)

#### **Texas A&M University School of Law**

March 2025 – Present

- ◆ LAW 603 – Digital Forensics

#### **Texas A&M University, Department of Multidisciplinary Engineering**

August 2023 – December 2024

- ◆ CYBR 601 – Cybersecurity Foundations \*
- ◆ CYBR 201 – Cybersecurity Fundamentals \*

#### **Texas A&M University, College of Agriculture & Life Sciences; Department of Entomology**

January 2019 – May 2023

- ◆ FIVS/CYBR 405 – Applied Digital Forensics and Incident Response \*
- ◆ FIVS 489 – Applied Digital Forensics and Incident Response \*
- ◆ AGLS 125 – Life Science Learning Communications I (Hullabaloo) \*

#### **Texas A&M Cybersecurity Center**

June 2018 – Present

- ◆ Cyber FUNdamentals Summer Camps for 9<sup>th</sup> to 12<sup>th</sup> graders and educators \*
- ◆ GenCyber camps: Teaching cybersecurity concepts to K-12 educators and students \*
- ◆ Cybersecurity awareness for Automated Warehouse and National Supply Chain Automation \*

#### ◆ **Texas A&M Engineering Extension Service**

September 2013 – May 2022

- ◆ CYB201 – Cybersecurity for Business Executives \*
- ◆ AWR135 – Promoting Community Cybersecurity
- ◆ AWR136 – Essentials of Community Cybersecurity
- ◆ AWR376 – Understanding Targeted Cyber Attacks
- ◆ MGT384 – The EOC’s Role in Community Cybersecurity
- ◆ MGT385 – Community Cybersecurity Exercise Planning
- ◆ MGT452 – Physical and Cybersecurity for Critical Infrastructure
- ◆ PER371 – Cybersecurity Incident Response for IT Personnel \*
- ◆ Secondary cyber camps: Cyber Camps for 9<sup>th</sup> - 12<sup>th</sup> grade; Raspberry Pi, electronics, python, Linux \*
- ◆ TEEX Essential Leadership Behaviors \*

## **RESEARCH / FIELDWORK EXPERIENCE**

- ◆ NSF SECURE Analytics Project; Senior Personnel and Project Director; Texas A&M Research Security Office; 2025 – Present; Lead institutional efforts to develop a prototype platform that maps research affiliations among universities, PIs, and vendors, assessing foreign risk under Section 1260H and Section 1286. Direct developer teams, contribute to data governance strategies, and support national research security objectives through collaboration with Hoover Institution, Stanford, and Texas A&M System leadership.
- ◆ NSA GenCyber; Instructor; 2023; High-Performance Research Center (HPRC) of TAMU; Teach secondary students the values of cybersecurity
- ◆ Virtual Institutes for Cyber and Electromagnetic Spectrum Research and Employ (VICEROY); Griffiss Institute; Senior Personnel; NCAE-C Southwest Region; Awarded March 2023
- ◆ Autonomic Systems for Malware Risk Detection (NSA Research); M2300175 2022 NCAEC; Senior Personnel; 12-Sep-2022 to 12-Sep-2024
- ◆ Curriculum Development for the National Center for Supply Chain Automation; Contractor for curriculum development, planning, and implementation for cybersecurity for the Automated Warehouse Textbook; Oakton Community College
- ◆ NSA Senior Military College Cyber Institute; Cyber Leadership Development Program (CLDP); Senior Personnel; 2020-2025; Mentored and instructed students for leadership roles
- ◆ NSA GenCyber; Co-PI; 2018; Teach K-12 Educators the valued principals of cybersecurity
- ◆ CSCoRE; GRTI; Co-PI, facilitator, project manager; 2019; Commissioned Cadets working on and with Drones/UAS
- ◆ Air Force Research Labs; CSCoRE; GRTI; Co-PI, facilitator, project manager; 2018; Working with commissioned cadets on projects needed by the U.S. Armed Forces
- ◆ DoD P3; Co-PI; 2018-Present; Scholarships for Service for academic students, including some capacity-building projects for labs
- ◆ DoD CySP; Co-PI; 2018-Present; Scholarships for Service for academic students, including some capacity-building projects for labs

## **PUBLICATION LIST**

### **Selected Conference Papers.**

- Shannon Roberts, Maryam Zahabi, Lauren McCarthy, Christopher Lanclos, **John Romero**, “Law Enforcement Perspectives on Police Vehicle Cybersecurity”. Approved & Waiting Publication at *Human Factors & Ergonomics Society (HFES) 67th International Annual Meeting*, Washington D.C., October 23-27, 2023.

- Eman Hammad, **John Romero**, James Nelson, "Towards Goal-Oriented Experiential Learning for Cybersecurity Programs". Accepted at *The American Society for Engineering Education (ASEE) 2022 Annual Conference*, Minneapolis, Minnesota, June 26-29, 2022.

## **PRESENTATIONS**

- ◆ January 2023; G3X Germania Insurance Conference; San Antonio, Texas; Title: *Is My Insurance Agency at Risk from Hackers, really?*
- ◆ October 2022; Headliner and main speaker; Texas Association of Mutual Insurance Companies (TAMIC) 86<sup>th</sup> Annual Convention and Seminar, Austin, Texas; Title: *Hacking, Breaches, and Ransomware, Oh My! – What can we do to protect us?*; ~ 300 attendees
- ◆ October 2022; Rotary Club of Aggieland, Bryan, Texas; Title: *Hacking, Breaches, and Ransomware, Oh My! – What can we do to protect us?*
- ◆ October 2022; Surgical Care Affiliates, LLC. (SCA Health), Online; Title: *The Weakest Link – Social Engineering*; ~300 attendees
- ◆ October 2022; First Community Credit Union (FCCU), Houston, Texas; Title: *Top 5 Security Risks – For Small/Medium-sized Business Owners*
- ◆ October 2022; First Community Credit Union (FCCU), Houston, Texas; Title: *Hacking, Breaches, and Ransomware, Oh My! – What can we do to protect us?* ~100 attendees
- ◆ January 2022; Tejas Collective for the Colorado Co-Op Directors, Denver, Colorado; Title: *Oversite and Duty of Care: Physical and Cybersecurity*
- ◆ January 2022; G3X Germania Insurance Conference; San Antonio, Texas; Title: *Cybersecurity for Small Business – Top 5 Current Issues*; ~600 attendees
- ◆ October 2021; First Community Credit Union; Title: *The Weakest Link – Social Engineering*
- ◆ May 2021; Bryan Research & Engineering; Title: *The Weakest Link – Social Engineering*
- ◆ May 2021; Women Republicans; Title: *Mind Control: How Dis(Mis)information Influences our Beliefs*
- ◆ February 2021; 2021 Texas Association of Appraisal Districts (TAAD) Conference; Virtual (Covid-19); Title: *Are you ready to get hacked? Cybersecurity: Top 5 Business Issues*
- ◆ January 2021; 2021 G3X Germania Insurance Conference; Virtual (Covid19); Title: *Top 5 Cybersecurity Concerns*
- ◆ July 2020; 2020 TIVA (Texas Industry Vocational Association) Conference; Virtual (Covid19); Title: *The Weakest Link in Cybersecurity: Breaking Down the Dangers of Social Engineering*
- ◆ April 2020; 30<sup>th</sup> Annual Outlook for Texas Land Markets Conference; San Antonio, Texas; Title: *The Latest Cyber Scams – Avoidance and Remedies (Cancelled due to Covid19)*
- ◆ March 2020; 3<sup>rd</sup> Annual National Symposium for Supply Chain Automation; Atlanta, Georgia; Title: *The Weakest Link in Cybersecurity: Breaking Down the Dangers of Social Engineering*
- ◆ February 2020; 2020 Texas Association of Appraisal Districts (TAAD) Conference; Dallas, Texas; Title: *Cybersecurity: Protecting Your Government Data Against Fraud*; ~500 attendees
- ◆ January 2020; G3X Germania Insurance Conference; San Antonio, Texas; Title: *Cybersecurity for Small Business*; ~600 attendees
- ◆ October 2019; Texas Military Department – Cyberaware19; Camp Mabry, Austin, Texas; Title: *The Weakest Link in Cybersecurity...An Introduction to the Dangers of Social Engineering*; ~100 attendees
- ◆ June 2019; 2019 Small Business / Washington County Chamber of Commerce Conference; Brenham, Texas; Title: *Cybersecurity for Small Business (and Manufacturing too!)*; ~100 attendees
- ◆ February 2019; 38<sup>th</sup> Annual Conference on Appraisal District Administration; Austin, Texas; Title: *What Everyone Ought to Know About Small Business's Biggest Cybersecurity Concerns Today*; ~500 attendees

- ◆ April 2018; 28<sup>th</sup> Annual Texas Land Markets Outlook Conference; San Antonio, Texas; Title: *Data Breaches, Hackers, Infiltration – Oh my, I’m Just a Small Business Owner!* ; ~500 attendees
- ◆ February 2018; TAGITM Texas Association of Governmental Information Technology Managers; San Antonio, Texas; Title: *The Weakest Link in Cybersecurity*; ~50 attendees
- ◆ June 2017; Additive Manufacturing & Advanced Materials Workshop; Houston, Texas; Title: *What Everyone Ought to Know About Manufacturing’s Biggest Cybersecurity Concerns Today*; ~100 attendees
- ◆ February 2017; Houstex Conference; Houston, Texas; Title: *What Everyone Ought to Know About Manufacturing’s Biggest Cybersecurity Concerns Today*; ~300 attendees
- ◆ November 2016; Governor’s Small Business Forum & Texas Forest Country Economic Summit, Lufkin, Texas; Title: *Don’t Go Under! Surviving a Cyber Attack*; ~250 attendees
- ◆ August 2016; Government Procurement Conference 2016; Fort Worth, Texas; Title: *Cybersecurity – Vulnerability and Assessment*; ~250 attendees
- ◆ July 2016; 3<sup>rd</sup> Annual Bay Area Emergency Managers Conference (BAEM); San Francisco, California; Title: *Resilience After a Cybersecurity Attack – Implementing a Prudent Cybersecurity Emergency Management Program*; ~300 attendees
- ◆ June 2016; Software Developer’s Cartel – AdventGX; Bryan, Texas; Title: *The Anatomy of Ransomware – Insider’s Look into an Exploit*; ~75 attendees
- ◆ June 2016; Texas Economic Development Council (TEDC) 2016 Mid-Year Conference; Plano, Texas; Title: *The Economic Impact of Not Implementing a Prudent Cybersecurity Program*; ~250 attendees

## **MEDIA INTERVIEWS**

- ◆ August 23, 2021; Interviewed by Brittany Defran, KHRD25, Bryan, Texas; **Texas A&M’s Cybersecurity Center offers high school students a unique opportunity** <https://www.kxxv.com/brazos/texas-a-ms-cybersecurity-center-offers-high-school-students-a-unique-opportunity>
- ◆ August 3, 2021; Interviewed by Caitlin Clark, Texas A&M University Division of Marketing & Communications, College Station, Texas; **High School Students Learn Cybersecurity Basics at Texas A&M Camp** <https://today.tamu.edu/2021/08/03/high-school-students-learn-cybersecurity-basics-at-texas-am-camp/> <https://vimeo.com/582623836>
- ◆ November 12, 2019; Interviewed by Julia Potts, The Battalion, Texas A&M University, College Station, Texas; **A&M student loses thousands of dollars to Social Security scam** [http://www.thebatt.com/news/a-m-student-loses-thousands-of-dollars-to-social-security/article\\_76d0abc4-05c0-11ea-939f-4ff828dc17e3.html](http://www.thebatt.com/news/a-m-student-loses-thousands-of-dollars-to-social-security/article_76d0abc4-05c0-11ea-939f-4ff828dc17e3.html)
- ◆ July 30, 2019; Interviewed by Haley Vyrostek, KBTX; **Local pilot, cybersecurity expert weighs in on national small plane hacking alert** <https://www.kbtx.com/content/news/Local-pilot-cybersecurity-expert-weighs-in-on-national-small-plane-hacking-alert-513423261.html>
- ◆ June 15, 2019; Interviewed by Rebecca Fiedler, The Eagle, Bryan, Texas; **TEEX camp teaches students about programming, tech** [https://www.theeagle.com/news/local/teex-camp-teaches-students-about-programming-tech/article\\_4fd4bc7a-8f20-11e9-a236-67aff58377a.html](https://www.theeagle.com/news/local/teex-camp-teaches-students-about-programming-tech/article_4fd4bc7a-8f20-11e9-a236-67aff58377a.html)
- ◆ January 16, 2019; Interviewed by Kathleen Witte, KBTX; **Keeping cyber-secure as Aggieland welcomes students back to town** <https://www.kbtx.com/content/news/Keeping-cyber-secure-as-Aggieland-welcomes-students-back-to-town-504450951.html>
- ◆ November 5, 2018; Interviewed by Kenny Wiley, The Eagle, Bryan, Texas; **Honoring Our Veterans: The Romero Family** [https://www.theeagle.com/news/local/honoring-our-veterans-the-romero-family/article\\_400f1fbe-7bc3-5175-a588-ae933a239ebe.html](https://www.theeagle.com/news/local/honoring-our-veterans-the-romero-family/article_400f1fbe-7bc3-5175-a588-ae933a239ebe.html)

- ◆ August 21, 2018; Interviewed by Kerrie Hall, KAGS, Bryan, Texas; **TEEX technology expert speaks on 3D-printed guns** <https://www.kagstv.com/article/news/local/teex-technology-expert-speaks-on-3d-printed-guns/499-586360199>
- ◆ August 15, 2018; Interviewed by Kerrie Hall, KAGS, Bryan, Texas; **TEEX Cyber Innovation Camp** <https://www.kagstv.com/video/news/teex-cyber-innovation-camp/499-8221182>
- ◆ August 15, 2018; Interviewed by Kerrie Hall, KAGS, Bryan, Texas; **TEEX Cyber Innovation camp provides hands-on stem training** <https://www.kagstv.com/article/news/local/teex-cyber-innovation-camp-provides-hands-on-stem-training/499-584421301>
- ◆ August 2, 2018; Interviewed by Chelsea Katz, The Eagle, Bryan, Texas; **TEEX Cyber Innovation Camp lets students delve into programming** [https://www.theeagle.com/news/local/teex-cyber-innovation-camp-lets-students-delve-into-programming/article\\_f831677e-68dd-562e-b663-75ba54e55a80.html](https://www.theeagle.com/news/local/teex-cyber-innovation-camp-lets-students-delve-into-programming/article_f831677e-68dd-562e-b663-75ba54e55a80.html)
- ◆ June 12, 2018; Interviewed by Noelle Bellows, KBTX, Bryan, Texas; **Blinn College and TEEX help small businesses protect against cyberattacks** <https://www.kbtx.com/content/news/Blinn-College-and-TEEX-offer-class-to-help-small-businesses-protect-against-cyberattacks-485237791.html>
- ◆ June 10, 2018; Interviewed by staff reporter, The Eagle, Bryan, Texas; **Blinn, TEEX offering cybersecurity course on June 22** [https://www.theeagle.com/news/local/blinn-teex-offering-cybersecurity-course-on-june/article\\_568e2c3e-63a5-5198-b523-f6d0df1a802a.html](https://www.theeagle.com/news/local/blinn-teex-offering-cybersecurity-course-on-june/article_568e2c3e-63a5-5198-b523-f6d0df1a802a.html)
- ◆ June 4, 2018; Interviewed by Whitney Miller, KBTX, Bryan, Texas; **New course aims to protect small business from cyber attack** <https://www.kbtx.com/content/news/New-course-aims-to-protect-small-business-from-cyber-attack-484541691.html>
- ◆ November 25, 2014; Interviewed by David Norris, KBTX, Bryan, Texas; **Hacker Steals Password, Nearly Swipes \$20K from College Station Woman** <https://www.kbtx.com/home/headlines/Hacker-Steals-Password-Nearly-Swipes-20K-from-College-Station-Woman-283904461.html>

## **PROFESSIONAL EXPERIENCE**

### **Texas A&M School of Law, Fort Worth, Texas**

March 2025 – Present

#### ***Adjunct Professor of Law***

- ◆ Teaching LAW 623 – Digital Forensics with a focus on legal implications, investigative methodologies, and case law considerations. Providing real-world examples of cybersecurity incidents and forensic investigations in legal contexts.

### **Texas A&M System Research Security Office**

June 2025 – Present

#### ***Project Director, NSF SECURE Analytics Project***

- ◆ Directing the development of a national research security analytics platform under NSF SECURE
- ◆ Supervising the development team and collaborating with Stanford and Hoover Institution researchers
- ◆ Integrating data from OpenAlex and Elasticsearch to visualize institutional relationships and identify risks under Section 1260H/1286

### **Texas A&M Cybersecurity Center**

June 2018 – Present

#### ***Program Director, Outreach and Professional Continuing Education***

#### ***Program Director, Virtual Institutes for Cyber and Electromagnetic Spectrum Research and Employ (V.I.C.E.R.O.Y)***

#### ***Visiting Lecturer, Department of Multidisciplinary Engineering***

#### ***Visiting Lecturer, Forensics and Investigative Sciences Program***

- ◆ Responsible for operations and assisting in proposal preparation, staffing, and budgeting
- ◆ Perform outreach/education with cybersecurity presentations, training, and workforce development
- ◆ Mentor and coach undergraduate and graduate students to become successful leaders
- ◆ Program Director for Virtual Institutes for Cyber and Electromagnetic Spectrum Research and Employ (VICEROY)
- ◆ Cybersecurity instructor and curriculum developer
- ◆ Promote and manage the Texas Cyber Range (TxCR)
- ◆ Curriculum development and instruction for applied academic courses
- ◆ Teaching Foundations of Cybersecurity for the MTDE Department
- ◆ Teaching Digital Forensics and Incident Response for the FIVS Program
- ◆ TAMUS Lead for the following cybersecurity industry certification academies:  
Red Hat Academy; Cisco Academy; Palo Alto Academy; AWS Academy
- ◆ TAMUS Lead for the following cybersecurity industry certification partnerships:  
CompTIA; EC-Council; ISACA

## **Texas A&M Engineering Extension Service (TEEX)**

January 2013 – January 2020

### ***Training Instructor for the National Emergency Response and Recovery Training Center (NERRTC)***

- ◆ Cybersecurity instructor for the Department of Homeland Security (DHS) funded training
- ◆ Engaged in outreach for cyber enterprise initiatives by providing leadership, mentorship, and technical expertise

### ***Program Director for the Cyber Readiness Center (CRC) – Enterprise Program***

- ◆ Directed budgeting, marketing, and business development for the CRC Enterprise Program
- ◆ Led cybersecurity training initiatives focused on risk assessments and audits for local and state governments, as well as select private sector organizations
- ◆ Developed and managed curriculum for TEEX divisions, supporting Continuing Training Grants and NERRTC courses
- ◆ Established CRC as a key resource for enterprise cybersecurity readiness and resilience

### ***Program Director for the Knowledge Engineering Center (KEC)***

- ◆ Responsible for the direction of the Knowledge Engineering Center, including new product development, marketing, sales, proposal preparation, staffing, and budgeting
- ◆ Generated \$1 million dollars in revenue annually
- ◆ Managed development team and overall vision of all products and product research development
- ◆ Cybersecurity instructor for the National Emergency Response and Rescue Training Center
- ◆ Assist with cyber enterprise initiatives by providing leadership, mentorship, and technical expertise
- ◆ Assigned to the TEEX Leadership Development team, which establishes and trains agency leaders

### ***NIST Manufacturing Extension Partnership (MEP) Embedded Coordinator***

- ◆ Responsible for working with the Texas Manufacturing Assistance Center (TMAC) to help small and medium-sized manufacturers understand Smart Manufacturing
- ◆ Assisted TMAC in developing a Center of Excellence for Smart Manufacturing
- ◆ Developed and delivered “Train the Trainer” curriculum for the TMAC COE members

## **Texas A&M University System (TAMUS)** (Enterprise Software Initiatives)

March 2009 – January 2013

### ***Senior Lead Software Developer***

- ◆ Developed, designed, and deployed enterprise applications for the System (TAMUS Employee Learning Management System (LMS): TrainTraq; Time & Effort; Policy & Regulations)
- ◆ Managed projects, mentored, and supervised teams as senior lead for junior developers. Used the latest Agile Development methods (Scrum) for task management and deployment schedules

- ◆ Technology: .net (3.5/4.0); Web Forms; MVC (3.0); SSRS; SSIS; Team Foundation Services (TFS)

**Intellamed, Inc.,** Bryan, Texas

June 2000 – March 2009

(Sterilblue.com; AuctionMart.com, MedRFP.com)

***Vice President of Operations***

- ◆ Started new online store, Sterilblue.com, using and improving osCommerce software via LAMP (Linux, Apache, MySql and PHP) – included Web 2.0 JavaScript libraries and framework
- ◆ Responsible for all operations, including process management, customer care, strategic planning, and warehouse centers in Bryan, TX, and St. Louis, MO. Managed team to create from scratch call-center calling scripts, operating procedures, and manuals for call center and warehouse management
- ◆ Product Business Development: created and maintained long-term relationships with hospital clients; revenue opportunities with both existing and new clients; strategic proposals and negotiating contracts; Conference vending and marketing campaigns

***Director of Software Development***

- ◆ Designed, developed and deployed e-commerce applications for all Intellamed product lines. All web applications based on Open-Source technologies: Apache HTTP Server, Apache Tomcat using Java Servlets, PHP 4.0/5.0. Databases used: Microsoft SQL Server, MySQL, Firebird
- ◆ Created and implemented corporate Intranet/Extranet systems to communicate to internal/external customers, fulfilling data exchange needs and reporting for collections and billing of receivables
- ◆ Managed, designed, and developed a Clinical Engineering Management system, Service2, which allowed our hospital equipment service technicians to communicate and exchange data with our corporate office. This system included a web-based application via our corporate Extranet and a 3-tiered Microsoft Windows application for internal communication
- ◆ Implemented and developed all Network Infrastructures based on Linux, including a Microsoft Windows domain emulation via LDAP and Samba protocols, a corporate e-mail system utilizing Sendmail and a VPN using Poptop, an Open Source PPTP server

**Viatel, Inc.** (Destia Communications/Econophone), Bryan, Texas

November 1998 – June 2000

***Application Development Manager***

- ◆ Managed, designed, and developed several proprietary applications including ServiceOne, a global customer service application utilizing a 3-tier architecture that handled more than 300 users spanning over eight different locations
- ◆ Promoted to management, which included two separate teams: customer service application development team (GUI Team) and E-Commerce/Web Development team

**Fields Financial Services, Inc.,** Bryan, Texas

March 1997 – November 1998

***Senior Object-Oriented/GUI Developer***

- ◆ Designed and developed Object-Oriented, Internet-enabled, Windows GUI relational database applications for Client/Server and non-Client Server databases.
- ◆ Developed thorough "shrink-wrap" programs for banking, finance, and insurance institutions.

**Texas Department of Criminal Justice,** Huntsville, Texas

May 1996 - March 1997

***ADP Programmer II***

- ◆ Developed database applications with experience in Microsoft networks, including Windows 95 and Windows for Workgroups peer-to-peer networks along with NetWare 3.x networks



**Department of Computer Science / Department of Geology,**  
Texas A&M, College Station, Texas  
***Teaching Assistant/Grader and GIS Technician***

June 1995 - May 1996  
August 1994 - December 1994

- ◆ Tutored / Graded students on Assembly Language for the IBM 370 for the Computer Science Department. Created/Updated Geographic Information System databases for the Geology Department

### **MILITARY EXPERIENCE**

**United States Air Force**, Active Duty, Minot Air Force Base, Minot, North Dakota  
*August 1986 - January 1990 (Job: **Electronic Warfare Technician**)*

- Promoted to the rank of Staff Sergeant (E-6) and supervised technicians in Electronic Warfare Shop
- Air Force Achievement Medal and Honorable Discharge
- Maintained, modified, and repaired electronic radar jamming systems

**Texas Air National Guard**, Ellington Field, Houston, Texas

*August 1990 - October 1993 (Job: **Disaster Preparedness Instructor/Trainer**)*

- Instructed and trained base personnel for chemical, biological, and nuclear defense

### **MEMBERSHIPS / AFFILIATIONS**

- Electronic Frontier Foundation (EFF) Member, San Francisco, CA
- International Professionals Association (IPA), Hilton Head, South Carolina
- National Institute of Standards and Technology (NIST) MEP Network for Cybersecurity
- Red Hat Academy (Division of IBM) Advisory Board Member, Raleigh, North Carolina
- Women's Society of Cyberjutsu (Associate member), Arlington, Virginia
- ISACA, Professional Membership, North Texas Chapter (ISACA NTX)
- Brazos Valley Cybersecurity Work Group (BVCWG), Bryan, Texas
- Blinn College – Computer Information Technology (CIT) Advisory Committee
- College Station Independent School District – Career and Technical Education Committee
- Bryan Independent School District – Career and Technical Education Committee
- Brazos Valley Project Managers, Bryan, Texas
- Software Developers Cartel, Bryan, Texas
- Experimental Aircraft Association (EAA) LIFETIME member, Oshkosh, Wisconsin
- Aircraft Owners and Pilots Association (AOPA), Frederick, Maryland
- Scouting BSA, Sam Houston Area Council
- Girls Who Code, Regional Facilitator
- FIRST LEGO League, Jr. Lead Coach, Mentor
- American Legion, Post 159
- InfraGard, Houston Chapter
- National Cryptologic Museum Foundation, Fort Meade, Maryland (Member)

### **HONORS / AWARDS**

- Red Hat (Linux); Division of IBM; Academic Advisory Board | Advisor of the Year: 2022
- Texas Military Department (TMD) Certificate of Appreciation: 2019
- Texas A&M Engineering Extension Service (TEEX) STAR award: 2017, 2019
- Texas A&M Engineering Extension Service (TEEX) Excellence in Innovation: 2013
- Blinn Distinguished Student & President's Scholar: 1993