

Michael J. Chapple

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Education

- June 2009 **Ph.D. in Computer Science and Engineering**
University of Notre Dame
Dissertation Topic: “Efficient Security Management of Controlled Networks in a Resource-Constrained Environment”
- December 2004 **Master of Business Administration**
Raymond J. Habert College of Business, Auburn University
- December 2000 **Master of Science in Computer Science**
Certificate in Secure and Dependable Computing
University of Idaho
Thesis Topic: “Network Intrusion Detection Utilizing Classification Trees”
- May 1997 **Bachelor of Science in Computer Science**
University of Notre Dame

Academic Experience

- July 2017 – present **Associate Teaching Professor**
Academic Director, MS in Business Analytics
Department of Information Technology, Analytics, and Operations
Mendoza College of Business, University of Notre Dame
- November 2016 –
June 2017 **Concurrent Associate Teaching Professor**
Department of Information Technology, Analytics, and Operations
Mendoza College of Business, University of Notre Dame
- January 2013 –
May 2014 **Concurrent Assistant Professor**
Department of Management
Mendoza College of Business, University of Notre Dame
- July 2009 –
May 2017 **Concurrent Assistant Professor**
Department of Computing and Digital Technologies
College of Arts and Letters, University of Notre Dame
- January 2006 –
June 2009 **Concurrent Instructor**
Department of Computer Applications
College of Arts and Letters, University of Notre Dame

Teaching Experience

Cybersecurity: An Executive Perspective (Executive MBA)

Equifax, Yahoo, Blue Cross/Blue Shield, and the federal government have all fallen victim to major data breaches in recent years that caused them significant financial and reputational damage. Cybersecurity issues now merit significant discussion at the executive and board level. In this class, we will explore major issues in cybersecurity at an executive level including a discussion of the modern threat landscape, appropriate levels of cybersecurity control, and responding to cybersecurity incidents. We'll discuss these issues in the context of real-world cases.

Summer 2019	Upcoming	Upcoming
Summer 2018	10 students	5.00/5.00 composite rating

Data Management (Graduate)

Graduate-level course taught in the Master of Science in Business Analytics (MSBA) and Master of Business Administration (MBA) programs. Introduces students to the concepts of data management, the use of SQL with enterprise databases and data wrangling in the R programming language.

Spring 2019 (MSBA)	38 students	In progress
Spring 2018 (MSBA)	32 students	5.00/5.00 composite rating
Spring 2018 (MBA)	55 students	5.00/5.00 composite rating
Spring 2017 (MSBA)	24 students	4.90/5.00 composite rating

Databases (Graduate)

Graduate-level course developed for the online Master of Science in Data Science (MSDS) program. Provides students with an introduction to the use of relational and non-relational databases in a data science context. Includes the use of SQL, R, Python, NoSQL, Neo4J, Hadoop, Hive and MongoDB. Served as faculty developer for this course, creating courseware and instructional design.

Data Management (Undergraduate)

Undergraduate course taught in the Business Analytics program. Introduces students to the concepts of data management, the use of SQL with enterprise databases and data wrangling in the R programming language.

Spring 2019	40 students	In progress
Fall 2018	31 students	5.00/5.00 composite rating
Fall 2017 (Section 1)	19 students	5.00/5.00 composite rating
Fall 2017 (Section 2)	22 students	5.00/5.00 composite rating
Fall 2017 (Section 3)	18 students	5.00/5.00 composite rating

Data Management (Undergraduate Online)

Developed and delivered online version of undergraduate data management course. Introduces students to the concepts of data management, the use of SQL with enterprise databases and data wrangling in the R programming language.

Summer 2019	16 students	In progress
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Analytics Capstone (Graduate)

Comprehensive capstone project in the Master of Science in Business Analytics (MSBA) program. Provides students with the opportunity to partner with firms on real-world analytics projects.

Fall 2019	40 students	Upcoming
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Fall 2018	32 students	4.90/5.00 composite rating
Fall 2017	22 students	4.60/5.00 composite rating
Fall 2016	24 students	4.50/5.00 composite rating

Integrated Analytics Practices (Graduate)

Using an integrative case analysis exercise, students will explore the integrated use of analytics methods and approaches. The exercise will require students to develop an understanding of the problem, analyze a sample of relevant data, and formulate a statement of work and project plan suitable for presentation to a business executive. The course emphasizes research design and the role of communication skills in implementing analytics in business settings.

Summer 2019	40 students	In progress
Summer 2018	32 students	4.70/5.00 composite rating

Information Security (Undergraduate)

Undergraduate course taught in the Computing & Digital Technologies program. Provides students with a firm understanding of cybersecurity concepts and introduces the technical, physical, and administrative controls used to achieve confidentiality, integrity, and availability.

Fall 2016	19 students	4.70/5.00 composite rating
Fall 2015	8 students	4.80/5.00 composite rating
Fall 2014	6 students	5.00/5.00 composite rating
Fall 2013	21 students	4.70/5.00 composite rating
Fall 2012	15 students	5.00/5.00 composite rating
Fall 2011	27 students	4.60/5.00 composite rating
Fall 2010	23 students	4.70/5.00 composite rating

Course previously taught annually from 2006-2009 using an earlier rating system.

Networking and Security (Undergraduate)

Undergraduate course taught in the Information Technology Management program. Provides students with a firm understanding of cybersecurity concepts and introduces the technical, physical, and administrative controls used to achieve confidentiality, integrity, and availability. Includes coverage of basic networking concepts.

Spring 2014	20 students	5.00/5.00 composite rating
Spring 2013	25 students	4.10/5.00 composite rating

Professional Experience

2011 – 2017 **Senior Director for IT Service Delivery**
Office of Information Technologies
University of Notre Dame
Notre Dame, IN

2009 – 2011 **Senior Advisor to the Executive Vice President**
University of Notre Dame
Notre Dame, IN

2005 – 2009 **Information Security Program Manager**
Office of Information Technologies
University of Notre Dame

Notre Dame, IN

2001 – 2005 **Executive Vice President and Chief Information Officer**
Brand Institute, Inc.
Miami, FL

1997 – 2001 **Senior Computer Scientist & Intelligence Officer**
Information Security Research Division
National Security Agency / United States Air Force
Fort Meade, MD

Books

1. “Practical Machine Learning in R”, F. Nwanganga and M. Chapple, John Wiley and Sons, December 2019 (work in progress).
2. “Systems Security Certified Professional (SSCP) Official Practice Tests, First Edition”, M. Chapple and D. Seidl, John Wiley and Sons, January 2019.
3. “PenTest+ Study Guide”, M. Chapple and D. Seidl, John Wiley and Sons, November 2018.
4. “Certified Information Systems Security Professional (CISSP) Official Practice Tests, Second Edition”, M. Chapple and D. Seidl, John Wiley and Sons, June 2018.
5. “Certified Information Systems Security Professional (CISSP) Official Study Guide, Eighth Edition”, M. Chapple, J. Stewart, and D. Gibson, John Wiley and Sons, April 2018.
6. “Cybersecurity Analyst+ Practice Tests”, M. Chapple and D. Seidl, John Wiley and Sons, February 2018.
7. “Cybersecurity Analyst+ Study Guide”, M. Chapple and D. Seidl, John Wiley and Sons, April 2017.
8. “Certified Information Systems Security Professional (CISSP) Official Practice Tests”, M. Chapple and D. Seidl, John Wiley and Sons, July 2016.
9. “Certified Information Systems Security Professional (CISSP) Official Study Guide, Seventh Edition”, J. Stewart, M. Chapple, and D. Gibson, John Wiley and Sons, September 2015.
10. “Certified Information Systems Security Professional (CISSP) Study Guide, Sixth Edition”, J. Stewart, M. Chapple, and D. Gibson, John Wiley and Sons, July 2012.
11. “Cyberwarfare: Information Operations in a Connected World”, M. Chapple and D. Seidl, Jones and Bartlett, September 2014.
12. “Access Control, Authentication, and Public Key Infrastructure (PKI)”, M. Chapple, B. Ballard, and E. Banks, Jones & Bartlett, July 2013.

13. “Security+ Training Course”, M. Chapple, Virtual Training Company, April 2011
14. “Certified Information Systems Security Professional Study Guide, Fifth Edition”, E. Tittel, J. Stewart and M. Chapple, John Wiley and Sons, 2010.
15. “SQL Server 2008 for Dummies”, M. Chapple, John Wiley and Sons, 2008
16. “Certified Information Systems Security Professional Study Guide, Fourth Edition”, E. Tittel, J. Stewart and M. Chapple, John Wiley and Sons, 2008.
17. “Symantec Certified Security Professional Study Guide”, K. Hausman and M. Chapple, Addison Wesley, 2005.
18. “Information Security Illuminated”, M. Solomon and M. Chapple, Jones and Bartlett, 2005.
19. “Certified Information Systems Security Professional Study Guide, Third Edition”, E. Tittel, J. Stewart and M. Chapple, John Wiley and Sons, 2005.
20. “Certified Information Systems Security Professional Study Guide, Second Edition”, E. Tittel, J. Stewart and M. Chapple, John Wiley and Sons, 2004.
21. “The GSEC Prep Guide: Mastering SANS GIAC Security Essentials”, M. Chapple, John Wiley and Sons, 2003.
22. “Certified Information Systems Security Professional Study Guide, First Edition”, E. Tittel, J. Stewart and M. Chapple, John Wiley and Sons, 2003.
23. “TICSA Training Guide”, M. Chapple and D. Littlejohn Shinder, Que/Sams, 2002.
24. “MCSE CoursePrep Exam Guide: ISA Server 2000”, M. Chapple, Course Technology, 2002
25. “Designing Windows 2000 Directory Services Lab Manual”, M. Chapple and B. Parrish, Thompson, 2002.

Refereed Publications

1. M. Chapple, A. Striegel, and C. Crowell, “Firewall Rulebase Management: Rules and Techniques”, *ICT Ethics and Security in the 21st Century: New Developments and Applications*, January 2011.
2. M. Chapple, J. D’Arcy, and A. Striegel, “An Analysis of Firewall Rulebase (Mis)management Practices”, *Journal of the Information Systems Security Association*, February 2009.
3. M. Chapple and C. Crowell, “U.S. Information Security Law and Regulation”, *Encyclopedia of Information Ethics and Security*, Information Science Reference, January 2008.

4. M. Chapple, N. Chawla and A. Striegel “Authentication Anomaly Detection: A Case Study on a Virtual Private Network,” *ACM Workshop on Mining Network Data (MINENET 2007)*, San Diego, CA, June 2007.
5. M. Chapple and C. Crowell, “Federal Information Security Law”, *Encyclopedia of Information Ethics and Security*, Information Science Reference, May 2007.
6. M. Chapple, T. Wright and R. Winding “Flow anomaly detection in firewalled networks,” *IEEE Workshop on Enterprise and Network Security*, Baltimore, MD, August 2006.
7. R. Winding, T. Wright and M. Chapple “System anomaly detection: mining firewall logs,” *IEEE Workshop on Enterprise and Network Security*, Baltimore, MD, August 2006.

University and College Service

- 2019 – Chair, ITAO Advisory Board
- 2018 – Member, University Case Review Panel
- 2018 – Member, University Administrative Review Board
- 2018 – Member, University Committee on Academic Technology
- 2018 – Faculty Advisor, Notre Dame MBA Toastmasters
- 2018 – Faculty Advisor, Notre Dame Cybercrime Internship Program
- 2017 – Chair, MS in Business Analytics Curriculum Committee
- 2017 – Member, IT, Analytics, and Operations Department Curriculum Committee
- 2016 – 2017 Member, Provost’s Ad Hoc Committee on Learning and Teaching
- 2011 – 2017 Chair, University Information Governance Committee
- 2011 – 2017 Chair, Information Technology Guidance Committee
- 2016 – 2017 Member, University Sustainability Working Group
- 2009 – 2017 Participant, University Emergency Operations Center
- 2009 – 2011 Member, Institutional Risk and Compliance Committee
- 2010 – 2010 Member, Chief Information Officer Search Committee
- 2009 – 2011 Member, University Licensing Committee
- 2010 – 2011 Member, University Utilities Long Range Planning Task Force

Dissertation Committee Service

- 2019 Nwanganga, F., "Optimizing Workload Resource Allocation in the Cloud: A Data-Driven Approach," Awarded Ph.D. May 2019.

Community Service

- 2015 – Board Member, North Country Trail Association
- 2015 – Board Member, South Bend Parks Foundation
- 2007 – Exam Item Writer, Certified Information Systems Auditor (CISA) Certification
- 2007 – Reviewer, Computers & Security
- 2016 – 2018 Faculty Member, EDUCAUSE Management Institute
- 2015 – 2016 Chair, EDUCAUSE Recognition Committee
- 2014 – 2016 Chair, Common Solutions Group Cloud Working Group
- 2014 – 2015 Member, EDUCAUSE Recognition Committee

- 2013 – 2015 Member, EDUCAUSE Governance, Risk, and Compliance Task Force
- 2013 – 2015 Board Chair, American Red Cross of St. Joseph County
- 2011 – 2014 Board Member, Home Management Resources
- 2009 – 2013 Board Member, American Red Cross of St. Joseph County
- 2009 Member, South Bend Government Enhancement Task Force
- 2008 – 2009 Technical Representative, Payment Card Industry Security Standards Council
- 2008 Reviewer, Encyclopedia of Information Science and Technology, Second Edition
- 2008 Reviewer, Encyclopedia of Information Ethics and Security
- 2007 – 2009 Participant, EDUCAUSE Security Task Force Awareness & Training Working Group
- 2007 Reviewer, 20th Annual Florida Artificial Intelligence Research Society Conference
- 2007 Reviewer, IEEE International Conference on Systems, Man and Cybernetics (SMC)
- 2005 – 2014 Technical Editor, Information Security Magazine
- 2005 – 2009 Member, Research and Education Network Information Sharing and Analysis Center
- 2005 – 2008 Member, Center for Internet Security (CIS) Benchmark Working Group
- 2004 – 2006 Member, Generally Accepted Information Security Principles (GAISP) Working Group
- 2004 Technical Reviewer, “Cisco Routing and Switching”, SAMS Publishing.
- 2004 Technical Reviewer, “Cisco CCNA”, SAMS Publishing.

Professional Certifications

- 2019 Certified Cloud Security Professional (CCSP)
- 2018 Penetration Tester+ Certification (PenTest+)
- 2018 Certified Information Security Manager (CISM)
- 2017 Cybersecurity Analyst+ Certification (CySA+)
- 2015 Security+ Certification
- 2010 Lean Six Sigma Green Belt
- 2008 Project Management Professional (PMP)
- 2006 Certified Information Systems Auditor (CISA)
- 2004 GIAC Certified Firewall Analyst (GCFW)
- 2002 Certified Information Systems Security Professional (CISSP)
- 2001 Microsoft Certified Database Administrator (MCDBA)
- 2001 Check Point Certified Security Administrator
- 2000 Cisco Certified Network Associate (CCNA)
- 1999 Microsoft Certified Systems Engineer (MCSE)

Distinctions, Honors, and Awards

- 2017 MSBA Outstanding Professor Award, Mendoza College of Business, University of Notre Dame
- 2015 Fellow, Leading Change Institute
- 2014 Forty Under Forty Award, South Bend Chamber of Commerce
- 2008 Notre Dame Presidential Achievement Award
- 2008 Elected Member, Upsilon Pi Epsilon
- 2007 Association for Computing Machinery SIGUCCS Award of Excellence
- 2001 Senior Member, Computer Science Technical Track, National Security Agency
- 2000 Company Grade Officer of the Year, 694th Ops Support Squadron, U.S. Air Force
- 1998 Distinguished Graduate, Air Force Intelligence Officer Training
- 1997 Outstanding Computer Science Senior Award, University of Notre Dame

1997	Elected Member, Tau Beta Pi Honor Society
1997	Distinguished Graduate, Air Force ROTC
1994	Air Force ROTC 4-Year Undergraduate Scholarship
1993	Notre Dame Scholar, University of Notre Dame
1993	Grumman Aerospace Computer Science Scholarship

White Papers

1. M. Chapple, "Five Ways to Modernize Digital Certificate Management", IDC, April 2019.
2. M. Chapple, "Designing a Risk Management Strategy for SaaS Solutions", IDC, March 2019.
3. M. Chapple, "The CIO's Playbook: Preparing for Data Breach Notifications", IDC, February 2019.
4. M. Chapple, "IDC PlanScape: Threat Intelligence Solutions", IDC, February 2019.
5. M. Chapple, "IDC's Worldwide Digital Transformation Use Case Taxonomy, 2019: Higher Education", IDC, January 2019.
6. M. Chapple, "Security Automation: Eight Things You Can Do Now for Security at Scale", IDC, December 2018.
7. M. Chapple, "IDC PlanScape: Launching a Bug Bounty Program", IDC, December 2018.
8. M. Chapple, "Security Certifications: Seven Things CIOs Need to Know", IDC, July 2018.
9. M. Chapple, "Cybersecurity Threats: Eight Things CIOs Need to Know", IDC, July 2018.
10. M. Chapple, "Cybersecurity Insurance: Five Things CIOs and Businesses Need to Know", IDC, May 2018.
11. M. Chapple, "Encryption: Six Principles That CIOs Need to Know", IDC, March 2018.
12. M. Chapple, "IDC PlanScape: Threat Hunting", IDC, December 2017.
13. M. Chapple, "Data Science in Cybersecurity: Five Questions to Ask Vendors", IDC, November 2017.
14. M. Chapple, "IDC PlanScape: Creating a Cybersecurity Professional Development Program", IDC, November 2017.
15. M. Chapple, "IDC PlanScape: Building a Security Operations Center", IDC, October 2017.
16. M. Chapple, "IDC PlanScape: Building Compliant Cloud Environments", IDC, October 2017.
17. M. Chapple, "IDC PlanScape: Deploying Multifactor Authentication," IDC, May 2017.

18. M. Chapple, et. al, "Preparing the IT Organization for the Cloud: Cloud on the Horizon," EDUCAUSE Center for Analysis and Research (ECAR) working group paper, November 2016.
19. M. Chapple, P. Allison, et al, "New Approaches to Higher Education IT Strategic Planning," EDUCAUSE Center for Analysis and Research (ECAR) working group paper, August 2016.
20. M. Chapple, D. Carraway, et al, "Cloud Awareness and User Support," EDUCAUSE Center for Analysis and Research (ECAR) working group paper, August 2016.
21. M. Chapple, et. al, "Preparing the IT Organization for the Cloud: Operationalizing the Cloud," EDUCAUSE Center for Analysis and Research (ECAR) working group paper, May 2016.
22. M. Chapple, et. al, "Preparing the IT Organization for the Cloud: Building a Migration Plan," EDUCAUSE Center for Analysis and Research (ECAR) working group paper, January 2016.
23. M. Chapple, et. al, "Transforming the IT Organization," EDUCAUSE Center for Analysis and Research (ECAR) working group paper, August 2015.
24. M. Chapple, et. al, "Developing Cloud-Aware IT Governance," EDUCAUSE Center for Analysis and Research (ECAR) working group paper, June 2015.
25. M. Chapple, et. al, "Cloud Strategy for Higher Education: Building a Common Solution," Common Solutions Group (CSG) working group publication, November 2014.

Video Training

1. "Tor and the Dark Web," LinkedIn Learning, June 2019.
2. "Protecting Social Security Numbers," LinkedIn Learning, April 2019.
3. "Security Testing: Vulnerability Scanning with Nessus," LinkedIn Learning, March 2019.
4. "Certified Information Security Manager (CISM)," (5-course series), Lynda.com/LinkedIn Learning, November 2018.
5. "Inside the Breach", (monthly series), Lynda.com/LinkedIn Learning, September 2018.
6. "Security Testing: Nmap Security Scanning", Lynda.com/LinkedIn Learning, September 2018.
7. "Cleaning Bad Data in R", Lynda.com/LinkedIn Learning, August 2018.
8. "Data Visualization in R with ggplot2," Lynda.com/LinkedIn Learning, April 2018.
9. "Cybersecurity Analyst+ (CySA+)," (7-course series), Lynda.com/LinkedIn Learning, April 2018.

10. "System Security Certified Professional (SSCP)," (8-course series), Lynda.com/LinkedIn Learning, December 2017.
11. "Data Wrangling in R," Lynda.com/LinkedIn Learning, August 2017.
12. "Certified Information Systems Security Professional (CISSP)," (9-course series), Lynda.com/LinkedIn Learning, 2016 (revised 2018).
13. "Insights from a Cybersecurity Professional," Lynda.com/LinkedIn Learning, 2016.
14. "Security+ Training," (7-course series), Lynda.com/LinkedIn Learning, 2015 (revised 2018).

Other Publications

1. "Taking Social Security Numbers Public Could Fix Our Data Breach Crisis", CNN, June 2019.
2. "Big Tech Can't Be Trusted: It's Time For Privacy Regulation", CNN, April 2019.
3. "Evaluating Intrusion Prevention Systems in Higher Education", EdTech Magazine, March 2019.
4. "Five Tips for Keeping Federal Data Safe", FedTech Magazine, March 2019.
5. "A rebooted CCSP certification exam is coming", Certification Magazine, February 2019.
6. "5 Tips for Updating a Cybersecurity Incident Response Plan ", BizTech Magazine, January 2019.
7. "Cloud Access Security Brokers Give IT Staff Visibility and Oversight ", EdTech Magazine, January 2019.
8. "5 Steps to Integrate a Business' Security Solutions", BizTech Magazine, October 2018.
9. "An old exam format is making an IT certification comeback", Certification Magazine, May 2018.
10. "Why You Should Conduct Risk Assessments Before Buying New Cybersecurity Products", BizTech Magazine, May 2018.
11. "Iran doesn't have nukes yet, but it has another powerful weapon it can use against the US right now", CNBC, May 2018.
12. "How to Really Protect Your Digital Privacy: Move to Europe", Fortune, April 2018.
13. "Segment Your Campus Network for Greater Security", EdTech Magazine, April 2018.
14. "Feds Can Optimize Disaster Recovery Solutions in the Cloud", FedTech Magazine, March 2018.

15. "Bug Bounty Programs Can Help Local Governments Stamp Out Security Threats", StateTech Magazine, March 2018.
16. "It's Time to Question Longstanding Password Security Best Practices ", FedTech Magazine, February 2018.
17. "4 Ways Data Loss Prevention Tools Fit Right in to Layered Security Strategies", EdTech Magazine, January 2018.
18. "Six Big Cybersecurity Certification Changes for 2018", Go Certify, January 2018.
19. "2017 in Review: The top cybersecurity news stories", Certification Magazine, December 2017.
20. "The right cert can provide a strong foundation for your cybersecurity career", Certification Magazine, November 2017.
21. "Russia meddling mess will cost tech giants big bucks to fix", CNBC Op-Ed, November 2017.
22. "3 Tips for a Smooth Data Loss Prevention Rollout ", FedTech Magazine, October 2017.
23. "DHS's CDM Program Moves to the Next Phase: Protection", FedTech Magazine, October 2017.
24. "Find Your Footing in Cloud Security with CCSK", Go Certify, June 2017
25. "Solving the cybersecurity staffing shortage", Certification Magazine, June 2017
26. "Keep Your Campus Both Smart and Secure as IoT Expands ", EdTech Magazine, April 2017
27. "4 Ways to Use Context-Aware Security for Maximum Advantage", EdTech Magazine, March 2017
28. "Half-a-billion reasons not to use free e-mail", Certification Magazine, February 2017
29. "3 Tips for Feds Looking to Ditch Old Datasets", FedTech Magazine, February 2017
30. "Managed security services market: What you need to know now", SearchSecurity, December 2016
31. "Still got it: CISSP certification a must for aspiring security professionals", Certification Magazine, December 2016
32. "Managed security providers: What's new?", SearchSecurity, December 2016
33. "Connect to the red-hot hiring realm of network security with these top certs", Certification Magazine, November 2016
34. "The science (and certification) of writing secure code", Certification Magazine, September 2016

35. "Why HIPAA controls don't do enough for privacy and security", SearchSecurity, September 2016
36. "Russian hackers only latest attackers in ongoing cyberbattle", Certification Magazine, September 2016
37. "As Businesses Enable Cloud and Mobility, They Cannot Forget About Security", BizTech Magazine, September 2016
38. "A Step-by-Step Guide to Closing the Cybersecurity Generation Gap", BizTech Magazine, August 2016
39. "Your firm is not safe from APTs, and what to do about that", Certification Magazine, August 2016
40. "The Basics of Smart Contracts with Cloud Vendors", EdTech Magazine, August 2016
41. "Two cybersecurity questions most organizations aren't asking", Certification Magazine, August 2016
42. "How the Government Will Focus on Multifactor Authentication", FedTech Magazine, July 2016
43. "Hacking Small Companies Is Big Business", BizTech Magazine, July 2016
44. "Spy Game: The Emerging Cybersecurity Realm of Threat Intelligence", Go Certify, July 2016
45. "10 Things Your Business Manager Wishes You Knew," EDUCAUSE Review, June 2016.
46. "Six New Cybersecurity Certs that Address Hotly Demanded Skills", Go Certify, June 2016
47. "Security D-I-Y: Protect Your Organization from E-Mail Spoofing", Go Certify, June 2016
48. "IT Could Happen to You: Security Breach Bites NBA Team", Go Certify, June 2016
49. "So You Want to Be a Certified Information Security Manager (CISM)", Go Certify, May 2016
50. "A Vital Cert for IT Pros Charged with Securing the Internet of Things", Go Certify, April 2016
51. "How Agencies Can Strengthen Cybersecurity with Vulnerability Management", FedTech Magazine, April 2016
52. "'Hack the Pentagon' Highlights Rise in Popularity of Bug Bounty Programs", Go Certify, April 2016
53. "CCSP Certification a Must for Security Pros Pivoting to the Cloud", Go Certify, March 2016
54. "Big chair cybersecurity: Make the leap to IT security management", Certification Magazine, March 2016
55. "The devil is not in these details: Why encryption isn't evil", Certification Magazine, March 2016

56. "End of Life a Critical Issue for Cybersecurity Professionals", Go Certify, February 2016
57. "SQL Server 2016 Offers Federal Agencies Multiple Cloud Options", FedTech Magazine, February 2016
58. "For Federal Agencies, Preserving Data Integrity Is a Critical Task ", FedTech Magazine, February 2016
59. "Real cybersecurity is not as easy as Hollywood makes it look", Certification Magazine, January 2016
60. "Cybersecurity Information Sharing Act's impact on security", SearchSecurity, December 2015
61. "Ahead of the curve: Keep your security knowledge current", Certification Magazine, December 2015
62. "How best to monitor today's murky threat environment", SearchSecurity, December 2015
63. "Life after the Safe Harbor agreement: How to stay compliant", SearchSecurity, November 2015
64. "Cybersecurity 101: Protect your home or personal network", Certification Magazine, November 2015
65. "5 Security Facts to Know About Windows 10", FedTech Magazine, November 2015
66. "Happy Halloween from the most malicious spooks on the Internet", Certification Magazine, October 2015
67. "Vulnerability Assessments Reveal Security Weaknesses", BizTech Magazine, October 2015
68. "How to manage BYOD security policies and stay compliant", SearchSecurity, October 2015
69. "Why aren't merchants adopting EMV technology yet?", SearchSecurity, October 2015
70. "What does the Consumer Privacy Bill of Rights mean for enterprises?", SearchSecurity, October 2015
71. "Securing data and ensuring compliance in cloud-based services", SearchCloudSecurity, October 2015
72. "Top certifications to you help you secure Linux environments", Certification Magazine, October 2015
73. "Who does what in cloud data compliance?", SearchCloudSecurity, October 2015
74. "Who does what? Uncover the key to cloud security compliance", SearchCloudSecurity, October 2015
75. "The ups and downs of cloud compliance", SearchCloudSecurity, October 2015
76. "Choose the best vulnerability assessment tools", SearchSecurity, October 2015
77. "What QSAs need to know about new PCI requirements", SearchSecurity, September 2015

78. "A closer look at the changes of PCI DSS version 3.1", SearchSecurity, August 2015
79. "Best Practices for Securing the Federal Cloud", FedTech Magazine, July 2015
80. "Digital Forensics: Tech detectives follow the computer trail", Certification Magazine, July 2015
81. "PCI DSS 3.1 marks the end of SSL/early TLS encryption for retailers", SearchSecurity, July 2015
82. "A new trend in cybersecurity regulations could mean tougher compliance", SearchSecurity, July 2015
83. "Big Data is both burden and blessing to IT security personnel", Certification Magazine, June 2015
84. "Manage compliance controls with Adobe Common Controls Framework", SearchSecurity, June 2015
85. "Shared responsibility determines cloud computing security", Certification Magazine, June 2015
86. "How health information may affect the security of Internet of Things", IoT Agenda, May 2015
87. "Prevention and protection vital in countering the pernicious threat of ransomware", Certification Magazine, May 2015
88. "The optional PCI DSS 3.0 requirements are about to become mandatory", SearchSecurity, April 2015
89. "SSCP certification could be your stepping stone to an IT security career", Certification Magazine, April 2015
90. "Malware 101: An IT primer on malicious software", Certification Magazine, April 2015
91. "Why PCI non-compliance is a problem for many", SearchSecurity, April 2015
92. "IT around the world: Peeking over the Great Firewall of China", Certification Magazine, March 2015
93. "What Apple Pay tokenization means for PCI DSS compliance", SearchSecurity, March 2015
94. "How Context-Aware Intrusion Prevention Builds Better Network Defenses", BizTech Magazine, March 2015
95. "Information security and lawyers: Three ways to be besties", SearchSecurity, February 2015
96. "What the Community Health Systems breach can teach your organization", SearchSecurity, February 2015
97. "Is Your Agency Ready for 802.11ac?", FedTech Magazine, February 2015
98. "4 Tips to Make Your School Network Less Vulnerable", EdTech Magazine, February 2015

99. "IT job profile: So, you want be a CISO", Certification Magazine, January 2015
100. "CISSP: The crown jewel of security certifications", Certification Magazine, January 2015
101. "Shifting to next-gen firewalls changes security dynamics", SearchNetworking, December 2014
102. "Why cloud data storage is secure — and why it might not be", Certification Magazine, December 2014
103. "From CCIE to CWSP: The best network security certifications", Certification Magazine, December 2014
104. "4 Steps to Keep Customer Credit Data Safer", BizTech Magazine, November 2014
105. "Best Practices for Selecting a Next-Generation Firewall", BizTech Magazine, November 2014
106. "Best Computing Practices 101: Improve your password security", Certification Magazine, November 2014
107. "The three stages of the ISO 31000 risk management process", SearchSecurity, November 2014
108. "Secure network access: Context is everything", SearchNetworking, November 2014
109. "Exploring encryption: Know the basics of an important IT security standard", Certification Magazine, November 2014
110. "An intro to automated penetration testing", SearchSecurity, November 2014
111. "What Are Next-Generation Firewalls?", BizTech Magazine, October 2014
112. "Four Strategies for Successful Next-Generation Firewall Deployment", FedTech Magazine, October 2014
113. "Build a line of defense with these network security tips", Certification Magazine, October 2014
114. "PCI DSS 3.0 compliance is mandatory in 2015. Are you ready?", SearchSecurity, September 2014
115. "Three steps to avoiding massive HIPAA violation fines", SearchSecurity, September 2014
116. "Developing a compliance awareness training program", SearchSecurity, July 2014
117. "Open source PCI DSS: A strategy for cheaper, easier PCI compliance", SearchSecurity, June 2014
118. "5 Essential Elements of an Email Security Strategy", BizTech Magazine, June 2014
119. "Seven security certifications to set your sights on", Certification Magazine, June 2014

120. "PCI DSS: Why vulnerability assessment and penetration testing are so hard", SearchSecurity, June 2014
121. "How to avoid the five most common causes of data breaches", Certification Magazine, June 2014
122. "Email Security: The Threats to Look Out For", BizTech Magazine, June 2014
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132. "Surveying the Cloud Security Landscape", BizTech Magazine, December 2013
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150. "How IT Workers Can Encrypt and Secure Emails", BizTech Magazine, January 2013
151. "How to Build a Security Incident Response Program", BizTech Magazine, December 2012
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182. "Can a PCI Level 2 merchant perform a PCI self-assessment?", SearchSecurity, April 2012
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184. "4 IT Security Tips for BYOD", BizTech Magazine, March 2012
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187. "Managed mobility services: Benefits of MDM in the cloud", SearchSecurity, February 2012
188. "How to Develop a Sound Data Loss Prevention Strategy", EdTech Magazine, February 2012
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197. "P2P encryption: Pros and cons of point-to-point encryption", SearchSecurity, December 2011
198. "How to Protect Users from Malicious Web Content", FedTech Magazine, November 2011
199. "How Content Filtering Software Protects Users", BizTech Magazine, November 2011
200. "Windows vs. Mac security: An enterprise endpoint security comparison", SearchSecurity, October 2011
201. "A Balance of Power", EdTech Magazine, October 2011
202. "Keep Those Notebooks Safe with Encryption", EdTech Magazine, October 2011

203. "The Discipline of Malware Management", FedTech Magazine, September 2011
204. "How to know if you need file activity monitoring to track file access", SearchSecurity, September 2011
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207. "5 Steps for Building a Business Continuity Plan", BizTech Magazine, August 2011
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211. "Intrusion Detection and Prevention Done Right", BizTech Magazine, May 2011
212. "UTM features: Is a UTM device right for your layered defense?", SearchSecurity, April 2011
213. "Securing employee smartphones: iPhone security settings, deployments", SearchITChannel, April 2011
214. "Bringing Security to Smartphones", EdTech Magazine, April 2011
215. "Encryption Demystified", EdTech Magazine, March 2011
216. "UTM features: Is a UTM device right for your layered defense?", SearchSecurity, April 2011
217. "Securing employee smartphones: iPhone security settings, deployments", SearchSecurityChannel, April 2011
218. "Balancing Security and Productivity", Processor, April 2011
219. "Point to Point Encryption and PCI Compliance", Processor, April 2011
220. "Bringing Security to Smartphones", BizTech Magazine, March 2011
221. "Manage Your Firewall Rulebase Closely", BizTech Magazine, March 2011
222. "Firesheep, Fireshepherd, and Facebook: Understanding Session Hijacking", InformIT, February 2011
223. "Encryption 101: Keys, Algorithms and You", InformIT, February 2011

224. "Mobile device security policy begins with mobile platform comparison", SearchSecurityChannel, February 2011
225. "Encryption Demystified", BizTech Magazine, January 2011
226. "What Your Business Can Learn from WikiLeaks", BizTech Magazine, December 2010
227. "Defending against Firesheep: How to prevent a session hijacking attack", SearchMidmarketSecurity, November 2010
228. "WPA security: Enabling the best Wi-Fi security for SMBs", SearchMidmarketSecurity, November 2010
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233. "Laptop full disk encryption: Debunking myths", SearchMidmarketSecurity, June 2010
234. "USB port management options", SearchMidmarketSecurity, June 2010
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236. "Three portable data storage encryption methods", SearchMidmarketSecurity, April 2010
237. "How to change from WEP to WPA for PCI DSS compliance", SearchSecurity, April 2010
238. "Encrypting and securing websites with HTTPS", SearchMidmarketSecurity, March 2010
239. "Encrypting email in Microsoft Outlook", SearchMidmarketSecurity, February 2010
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276. "Bringing the network perimeter back from the dead", SearchSecurity, September 2007
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287. "Patchlink Update 6.3", Information Security Magazine, January 2007
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289. "PCI standard, take two", SearchSecurity, November 2006
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294. "Battling image spam", SearchSecurity, August 2006
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297. "Detecting hack attacks: Application logging is critical", SearchSecurity, July 2006
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300. "Symantec Gateway Security 5600 Series", Information Security Magazine, March 2006
301. "RSS: The next malware target?", SearchSecurity, January 2006
302. "Managing Nessus reports", SearchSecurity, December 2005
303. "Configuresoft ECM v4.7", Information Security Magazine, December 2005
304. "Nessus: Vulnerability scanning in the enterprise", SearchSecurity, December 2005
305. "Vulnerability Scanning with Nessus: How to run a system scan", SearchSecurity, December 2005
306. "Getting started with Nessus: How to install and configure the open source vulnerability scanner", SearchSecurity, November 2005
307. "Hercules 4.0", Information Security Magazine, November 2005
308. "Protecting Your Network from Security Risks and Threats", InformIT, November 2005

309. "Spyware Interceptor SI-1", Information Security Magazine, October 2005
310. "How to choose a firewall", SearchSecurity, October 2005
311. "Firewall architecture guide", SearchSecurity, October 2005
312. "Choosing the right firewall topology", SearchSecurity, October 2005
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323. "Get ready for IPv6: Five security issues to consider", SearchSecurity, June 2005
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382. “ Snort -- The poor man's intrusion-detection system”, SearchSecurity, March 2003
383. “Diffie-Hellman key exchange”, SearchSecurity, January 2003
384. “TICSA Certification: Information Security Basics”, InformIT, November 2002

Invited Lectures and Addresses

1. Invited Speaker, “Uniquely Notre Dame,” Notre Dame Club of Northeastern New York, June 2019, Albany, New York.
2. Invited Speaker, “Uniquely Notre Dame,” Notre Dame Club of the Mohawk Valley, June 2019, Utica, New York.
3. Invited Speaker, “Notre Dame Traditions,” Notre Dame Club of Huntsville, November 2018, Huntsville, Alabama.
4. Invited Speaker, “Security and Privacy in the World of Big Data,” Association for Computing Machinery, October 2018, Chicago, Illinois.
5. Invited Speaker, “Auditing Practices for Privacy and Security,” Institute of Internal Auditors, October 2018, South Bend, Indiana.
6. Panelist, “Prosecuting Nation-State Actors to Enforce Cyber Norms”, Notre Dame International Security Center, September 2018, Notre Dame, IN.
7. Invited Speaker, “Notre Dame Traditions,” Notre Dame Club of Sacramento, July 2018, Sacramento, California.
8. Invited Speaker, “Threat Hunting in the Modern Security Operations Center”, Information Systems Audit and Control Association, May 2018, Newton, MA.
9. Class Speaker, “Security and Privacy in the World of Big Data,” Technology Law course, Notre Dame Law School, March 2018, Notre Dame, IN.

10. Panelist, "Cybersecurity in the Age of Digital Transformation," Protiviti Executive Summit, February 2018, Chicago, Illinois.
11. Invited Speaker, "Privacy and Security Issues in Data Science," Notre Dame MS in Data Science Program, January 2018, Palo Alto, California.
12. Podcast Speaker, "Spectre and Meltdown", Knowledge@Wharton podcast, January 2018.
13. Invited Speaker, "Trailblazers: The Evolution of Notre Dame," Notre Dame Club of Utah, November 2017, Salt Lake City, Utah.
14. Invited Speaker, "Navigating the Regulatory Maze: Compliance Issues in Higher Education," New York State CIO Conference, July 2017, Clayton, New York.
15. Invited Speaker, "Trailblazers: The Evolution of Notre Dame," Notre Dame Club of Memphis, May 2017, Memphis, Tennessee.
16. Class Speaker, "Privacy in a Cloud-Centric World," Networking & Security course, IT Management program, University of Notre Dame, April 2017, Notre Dame, IN.
17. Class Speaker, "Compliance in the Cloud," Internet Law course, Notre Dame Law School, April 2017, Notre Dame, IN.
18. Keynote Speaker, "Boldly Moving to the Cloud," University of Chicago Cloud Forum, April 2017, Chicago, Illinois.
19. Invited Speaker, "Trailblazers: The Evolution of Notre Dame," Notre Dame Club of Connecticut, April 2017, Hartford, Connecticut.
20. Keynote Speaker, "Boldly Moving to the Cloud," University of Wisconsin IT Leadership Conference, February 2017, Madison, Wisconsin.
21. Invited Speaker, "Boldly Moving to the Cloud," EDUCAUSE Annual Conference, October 2016, Anaheim, California.
22. Invited Speaker, "A Legacy of Service", Notre Dame Club of Omaha, May 2016, Omaha, Nebraska.
23. Invited Speaker, "A Legacy of Service", Notre Dame Club of Long Island, March 2016, Islandia, New York.
24. Invited Panelist, "Cloud Ready: Preparing Your IT Organization," EDUCAUSE Annual Conference, October 2015, Indianapolis, Indiana.
25. Invited Speaker, "Stuxnet and the Advanced Persistent Threat," Institute of Internal Auditors, August 2015, South Bend, Indiana.

26. Invited Keynote, “Analytics Strategies: Culture, Collaboration, and Partnership,” Administrative IT Summit, June 2015, Seattle, Washington.
27. Invited Speaker, “The Notre Dame Experience”, Notre Dame Club of Harrisburg, June 2015, Harrisburg, Connecticut.
28. Invited Speaker, “The Notre Dame Experience”, Notre Dame Club of the Jersey Shore, June 2015, Neptune, New Jersey.
29. Invited Speaker, “The Notre Dame Experience”, Notre Dame Club of Jackson, May 2015, Jackson, Michigan.
30. Webcast Speaker, “Accelerating Cloud Deployment with Organizational Change Management,” Internet2 Speakers Series, April 2015.
31. Invited Panelist, “Get Your Ducks in a Row: IT Governance, Risk, and Compliance in Higher Education,” EDUCAUSE Annual Conference, October 2014, Orlando, Florida.
32. Invited Speaker, “The Notre Dame Experience”, Notre Dame Club of the Triple Cities, May 2014, Binghamton, New York.
33. Invited Speaker, “Cyberwarfare and Collateral Damage,” Naval Leadership Conference, February 2014, Notre Dame, Indiana.
34. Podcast Speaker, “Creating a Data Governance Program,” EDUCAUSE Podcast, October 2013.
35. Invited Speaker, “Effective Data Governance Practices,” Enterprise IT Leadership Conference, April 2013, Seattle, Washington.
36. Invited Speaker, “Process Improvement in Enterprise IT,” Common Solutions Group, University of Southern California, January 2013, Los Angeles, California.
37. Invited Speaker, “Vulnerability Management Use Cases and Best Practices,” Security Professionals Conference, May 2012, St. Louis, Missouri.
38. Invited Speaker, “Hacking the Election,” University of Notre Dame, April 2012.
39. Podcast Speaker, “Fact or Fiction: Key Operational Elements to a Successful Layered Security Infrastructure”, SearchSecurity, April 2011
40. Webcast Speaker, “Five Insider Tips: Using IT Audits to Maximize Security”, NetIQ, April 2011
41. Video, “Defense in Depth 2.0”, SearchSecurity, April 2011
42. Webcast Speaker, “Simplifying Encryption”, SearchMidmarketSecurity, October 2010

43. Invited Lecture, “Enterprise Approaches to Information Security”, MGTI 30640, April 2009, University of Notre Dame, Department of Management.
44. Invited Lecture, “Risk Management: A Practical Approach”, MGT 60730, November 2008, University of Notre Dame, Department of Management.
45. Invited Lecture, “Information Security in Higher Education”, CAPP 20505, October 2008, University of Notre Dame, Department of Computer Applications
46. Invited Lecture, “Hacking the Vote: Information Security and the 2008 Presidential Election”, CAPP Speaker Series, University of Notre Dame, October 2008.
47. Webcast Speaker, “Improved Threat Monitoring in a Highly Distributed Enterprise Network - Expert Webcast”, SearchSecurity, June 2008.
48. Podcast Speaker, “Making NAC work with your existing security tools”, SearchSecurity, May 2008.
49. Invited Lecture, “Building a Risk-Based Information Security Program”, EDUCAUSE Security Professionals Conference, May 2008, Crystal City, Virginia.
50. Invited Lecture, “Navigating the Regulatory Maze; Notre Dame’s PCI Solution”, EDUCAUSE Midwest Regional Conference, March 2008, Chicago, Illinois.
51. Guest Lecture, “Information Security”, December 2007, Purdue University Dept. of Computer Technology
52. Invited Lecture, “Two Approaches to PCI DSS Compliance”, EDUCAUSE Security Professionals Conference, April 2006, Denver, Colorado.
53. Guest Lecture, “Information Security”, CSE 458, April 2005, University of Notre Dame Department of Computer Science and Engineering

Media Citations

1. “Taking Social Security numbers public could fix our data breach crisis,” OpEd published by CNN, June 6, 2019.
2. “Ponemon Institute says automation helps battle cyberattacks”, quoted in TechWire Asia, April 16, 2019.
3. “Australian CISOs struggling to stay ahead of escalating threats”, quoted in CSO Magazine, May 9, 2019.
4. “When’s the last time you looked at your incident response plan?”, quoted in SC Magazine, May 1, 2019.

5. “Big Tech can't be trusted. It's time for regulation”, OpEd published by CNN, April 30, 2019.
6. “Botnet Attacks: How City Governments Can Defend Against DDoS Attacks Fueled by IoT Botnets”, quoted in StateTech Magazine, January 17, 2019.
7. “DC Slaps Facebook With Latest Suit Targeting Privacy Lapses”, quoted in The New York Times, December 19, 2018.
8. “Google Plus Will Be Shut Down After User Information Was Exposed”, quoted in The New York Times, Washington Post, and over 350 other media outlets via the Associated Press, October 8, 2018.
9. “Students on the Case”, quoted by Slate, September 28, 2018.
10. “Venmo Exposes User Transaction Data Publicly”, quoted by CNN, July 17, 2018.
11. “Iran doesn't have nukes yet, but it has another powerful weapon it can use against the US right now”, OpEd published by CNBC, May 10, 2018.
12. “How to Really Protect Your Digital Privacy: Move to Europe”, OpEd published by Fortune, April 17, 2018.
13. “The Latest: Reddit says it banned 944 suspicious accounts”, quoted in The New York Times, Washington Post, and over 430 other media outlets via the Associated Press, April 10, 2018.
14. “Cambridge Analytica Breach”, appeared live on ABC 57 News, April 1, 2018.
15. “Atlanta Ransomware Attack”, appeared live on ABC 57 News, March 28, 2018.
16. “U.S. Targets Alleged Iran State-Sponsored Hack”, quoted by the Wall Street Journal, March 26, 2018.
17. “Can Facebook restore public trust after privacy scandal?”, quoted by the Washington Post, March 25, 2018.
18. “How a Phone May Have Steered Hunt for Bomber”, quoted by The New York Times, March 21, 2018.
19. “What Facebook's Mark Zuckerberg didn't say — starting with, 'I'm sorry.'”, quoted by USA Today, March 21, 2018.
20. “Everything You Need to Know About the Meltdown and Spectre Exploits”, quoted by BizTech Magazine, January 2018.
21. “FCC Repeals Net Neutrality Regulation”, appeared live on ABC 57 News, December 14, 2017.
22. “Chicago companies fear unknown in net neutrality repeal”, quoted by the Chicago Tribune, December 14, 2017.

23. “Uber Had a Massive Data Hack: Here's How Worried You Should Be” quoted by The New Scientist, November 22, 2017.
24. “Russia Meddling Mess Will Cost Tech Giants Big Bucks To Fix”, OpEd published by CNBC, November 2, 2017.
25. “Facebook Quizzes Giving Personal Information Away, Experts Say”, appeared live on ABC 57 News, July 21, 2017.