

# Dominic Sellitto, CISSP

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## OVERVIEW

Dominic is an experienced educator adept at leveraging his executive-level expertise to prepare students on their path to becoming future leaders. Dominic's educational philosophy is centered on preparing students for their careers by providing them with a combination of process-focused learning, hands-on experience with leading technologies, and strategies for effective communication. In past roles as a lead consultant and virtual Chief Information Security Officer, Dominic helped organizations by driving strategic planning and tactical execution of tasks to support building and maintaining robust information security programs. Dominic's work has allowed him to build relationships with a variety of companies ranging from SMBs to large enterprises across industries (including healthcare, retail, financial, hospitality, and industrial sectors).

## EDUCATION

**University at Buffalo, The State University of New York**

**Master of Science, Management Information Systems, 6/2014**

Advanced Certificate in Information Assurance awarded with degree  
UB School of Management Student Achievement Award recipient

**Bachelor of Science, Business Administration with Honors, 6/2013**

## PUBLICATIONS & CERTIFICATIONS

*Publications:* Sellitto, D. and Newell, D., White Paper: Vulnerability Assessment (ISACA, 2017)

*Certifications:* Certified Information Systems Security Professional (CISSP) - ISC<sup>2</sup> Member #544426

## ACADEMIC EXPERIENCE

**University at Buffalo, The State University of New York, Amherst, NY**

**Clinical Assistant Professor, Department of Management Science and Systems, 2021-Present**

- **Description:** Develops and teaches School of Management courses in Cybersecurity/Information Assurance, Data Warehousing, Digital Forensics, and IT Management. These courses cover a variety of topics, including Cybersecurity Management, Privacy, Risk Management, IT Management, Computer Ethics, Computer Forensics (criminal and civil), Ethical Hacking, Data Analytics, Machine Learning, and Business Intelligence.
- **Audience:** MS Business Analytics, MS MIS, MS Finance, MBA, BS Business Administration, and MS Computer Science and Engineering students

**Program Director, MS in Business Analytics, 2021-Present**

- **Description:** Manages the day-to-day operations and long-term strategic planning for the Master of Science in Business Analytics program, which prepares students for exciting careers in Data Analytics and Business Intelligence. Develops courses and curriculum for the program and engages with companies to facilitate student networking and job opportunities. Additionally, engages with students in the development of their practicum requirements, including defining research objectives, identifying data for analysis, and deriving conclusions.
- **Audience:** MS Business Analytics, MS MIS, MS Accounting, MBA, BS Business Administration, and MS Computer Science and Engineering students

**Adjunct Instructor, MGS410/610: Digital Forensics, 2018-2021**

- **Description:** Developed and taught the School of Management course in Digital Forensics, which is focused on providing students with core knowledge of the digital forensics process, the application of that process to criminal investigations and corporate incident response scenarios, and the use of industry-standard tools (e.g., those used in evidence collection and data analysis) to enhance investigative capabilities
- **Audience:** MS MIS, MS Accounting, MBA, BS Business Administration, and MS Computer Science and Engineering students

**Supervised Research Advisor, 2019-2021**

- ETL, data cleaning, and analysis (Sonali Jha, MS MIS, 2022)
- Analysis of identity and access management infrastructure through the lens of information security audit frameworks (Yash Vijay Jadhav, MS MIS, 2022)
- Impacts of the COVID-19 pandemic on cybersecurity (Aditi Katti, MS MIS, 2021)

- Considerations for automotive cybersecurity (Nicholas Richter, MS MIS, 2020)
- Automobile forensic investigations (Dennis Derouen, MS MIS, 2019)

**Data Science and Analytics Subject Matter Expert, Digital Skills Bootcamp, 2022-Present**

- **Description:** Provide oversight and guidance to the digital bootcamp for Data Science and Analytics through evaluating instructional content and learning objectives, contributing to expert panels and participating in program reviews with bootcamp leadership.
- **Audience:** Current working professionals

**Faculty Mentor, Gencyber Cybersecurity Camp, 2022-Present**

- **Description:** Provided guidance and oversight to student mentors and assisted in the development of content for, and management of, the UB Gencyber Cybersecurity camp, which is an annual STEM summer camp for high schoolers interested in cybersecurity. The camp, sponsored by the NSF and NSA, teaches students foundational elements of technical and managerial aspects of cybersecurity leveraging a summer camp-style program structure.
- **Audience:** Current high school students in New York

**University Volunteer Service, 2012-Present**

- Operated as faculty lead in charge of planning and delivery of the School of Management Undergraduate Poster Competition (2022-Present)
- Volunteered as a mentor for the UB Gen Cyber Cybersecurity Summer Camp (2021)
- Led a team of School of Management students in the development of WNY Vaccine Hound, a web application designed to connect WNY residents with open COVID-19 vaccine appointments across hundreds of local providers (2021-Present)
- Developed a video training series on configuring a home computer lab during the transition to remote learning, assisting School of Management students who previously relied on campus computer labs to complete technology-focused assignments (2020)
- Participated in the School of Management undergraduate open house and discussed educational pathways within the school with prospective students and their families (2019)
- Assisted students in professional development activities, including providing job seeking tips, interview preparation suggestions, acting as a reference (and/or writing letters of recommendation), and creating continuing education resources (2018-Present)
- Held advisory sessions with prospective MS MIS students to discuss their career ambitions and interests, courses available to them, and how to leverage the program and School of Management resources to succeed in their educational and career pursuits (2018-Present)
- Coordinated and marketed social events for the MS MIS program, to connect students outside of the classroom (2013)
- Developed and delivered student-driven lectures to supplement course content with additional hands-on technology training for MS MIS students (2013)
- Co-founder and committee member of the UB School of Management undergraduate research poster competition (“DEAL Expo”) (2012-2014)

**Multiple Institutions**

**Guest Lecturer and Workshop Facilitator, 2016-Present**

- Lecture: Modern Digital Forensics (University at Buffalo School of Management, May 2022)
- Lecture: Email and Network Forensics (University at Buffalo School of Management, April 2022)
- Lecture: Securing Cloud-Based Productivity Platforms (University at Buffalo School of Management, April 2022)
- Keynote Speaker on Email Security: IT Strategic Alliance (Systems Personnel, March 2022)
- Session Moderator: Innovation in Cybersecurity Leadership Panel (University at Buffalo School of Management, December 2021)
- Lecture: Introduction to Digital Forensics and Incident Response (University at Buffalo School of Management, December 2021)
- Workshop: Natural Language Processing Using Python (University at Buffalo School of Management, November 2021)
- Session Moderator: Introduction to Cybersecurity and Privacy Law (University at Buffalo School of Management, November 2021)
- Session Moderator: Product Management Professional Panel (University at Buffalo School of Management, October 2021)
- Lecture: Forensic Techniques for Network Incident Response (University at Buffalo School of Management, April 2021)
- Lecture: Privacy, Security, and Ethics in Data Analytics (University at Buffalo, MGS616,

December 2020)

- Lecture: Introduction to Network Forensics Using Wireshark (University at Buffalo School of Management, November 2020)
- Lecture: Data Privacy in a Connected World (University at Buffalo, MGS639, 2019)
- Workshop: Data Analysis Using Splunk (University at Buffalo School of Management, 2019)
- Lecture: Vulnerability Management (University at Buffalo, ISACA Club, 2019)
- Lecture: Ethical Hacking (Hilbert College, 2017)
- Lecture: Security Analytics (University of Rochester, 2016)

## INDUSTRY EXPERIENCE

**Loptr LLC**, East Aurora, NY

**Lead Cybersecurity Consultant**, 2/2017-2/2021

- Operated as Chief Information Security Officer (CISO) on a fractional basis for clients, driving security program development, implementation, operation, strategic planning, and ongoing executive-level reporting
- Developed and implemented information security programs for clients, including foundational governance elements (policies, procedures, and standards), risk assessments, technical testing (vulnerability assessments and configuration audits), security training and awareness, security monitoring, and incident response plans
- Implemented security and compliance programs aligned with best-practice standards and regulatory drivers, including HIPAA, PCI DSS, SOC 2, HITRUST, NIST CSF, NIST SP 800-53, NYS SHIELD Act, and NYS DFS Cybersecurity Regulation 23 NYCRR 500
- Leveraged historical and real-time data, using common data analysis tools, to support KRI/KPI development and maintenance, drive strategic decision making, and facilitate tactical response to evolving threats
- Effectively managed a variety of projects at once, often engaging with multiple cross-industry client teams daily to support initiatives, develop deliverables, and manage evolving stakeholder expectations

**Deloitte**, Toronto, ON

**Senior Consultant, Cyber Risk Services**, 8/2016-2/2017

**Consultant, Cyber Risk Services**, 8/2014-8/2016

- Created, implemented, and executed information security and risk management policies and procedures for key retail, financial, and healthcare clients, including assisting on multiple implementations of GRC tools
- Assessed client security postures to identify gaps across systems and enterprise processes, culminating in the development of remediation strategies to ensure compliance with internal policies/standards, Canadian regulatory requirements (PHIPA, PIPEDA), and strategic compliance drivers (e.g., PCI DSS)
- Embodied a "shift left" approach to information security by developing and executing project security risk management processes to enforce requirements during early project phases for both waterfall and agile projects
- Regularly reported key findings, metrics, and recommendations to client senior leadership and project stakeholders

## MEDIA SPOTS

*Ukraine and Russia Military and Cybersecurity Conflict, 2022*

- <https://www.wgrz.com/article/tech/experts-wny-discuss-federal-cyberattack-warning-tied-ukraine-situation/71-17d2d8e1-7877-427d-a33e-667f34910eb2>
- <https://management.buffalo.edu/about/news/releases.host.html/content/shared/mgt/news/ub-school-management-expert-available-discuss-ukrainian-website-hacking.detail.html>

*Vaccine Hound Initiative (vaccinehound.org), 2021*

- <https://www.buffalorising.com/2021/03/wny-vaccine-hound/>
- <https://www.buffalo.edu/ubnow/stories/2021/04/vaccine-hound.html>

## PROFESSIONAL AFFILIATIONS

*ISC<sup>2</sup>*: International, nonprofit professional information security association (2015-Present)

## VOLUNTEER SERVICE

*Bellissima Theater Productions*: Sound design technician (2020-2022)

*Brookside Village*: Homeowners association board member (2020-2022)

*East Aurora High School*: Mock interviewer, business students (2019)

*East Aurora High School: Judge, student business plan presentations (2018)*

*DECA Competition: Judge, high school marketing presentations (2018)*

*Holland Central School District: Innovation Day judge and guest speaker (2017, 2018)*

*Holland Central School District: Cybersecurity club guest speaker (2017)*

**OTHER SKILLS &  
EXPERIENCE**

*Data Analytics Experience:* Splunk, Python-based machine learning, data analysis, and natural language processing (e.g., nltk, spaCy, genism, BeautifulSoup, and Selenium), executive KRI/KPI development, security analytics (analyzing historical trends to drive strategic planning and tactical defense), data warehouse design and implementation, data pipeline management, data profiling/cleaning, data visualization (Tableau, Power BI, Qlik)

*Security and Risk Management Experience:* Virtual/fractional CISO, secure SDLC (waterfall, agile), security awareness program development (including general security, physical security, phishing, incident response, ransomware, HIPAA Security Rule, PCI DSS, secure software development, and others), security policy/procedures/standards development, vendor security risk management, control framework development and assessments (aligned with HIPAA Security Rule, NYS SHIELD Act, NYS DFS Cybersecurity, ISO 27000 series, NIST CSF, NIST 800-53, CSA CAIQ, 18 CIS Controls, OWASP Top 10, HITRUST, PCI DSS, and others), cloud security management (including Office 365, AWS, Microsoft Azure Cloud, Heroku, and Drupal), forensic investigations (including the use of FTK, Autopsy/The Sleuth Kit, Volatility), incident management, vulnerability assessments (including the use of Nessus, Qualys, Nikto, and OpenVAS/Greenbone Vulnerability Manager), malware analysis (static and dynamic), security monitoring (including the setup, configuration, management, and use of Splunk, AlienVault, and Perch), business continuity planning

*DevOps Experience:* Python, JavaScript, HTML, CSS, PowerShell, Django web application framework, SaaS cloud environment setup and management (including AWS, Heroku, and Azure Cloud), SQL, database technologies (including Oracle Database, SQL Server, MySQL, and Postgres)