

Dominic Sellitto, CISSP

Buffalo, NY
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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

UB School of Management Student Achievement Award recipient

Certificate of Advanced Study, Information Assurance, 6/2014

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

PUBLICATIONS, PANELS, AND PROCEEDINGS

Sellitto, Dominic and Sharman, Raj, "*Panel: Bridging the AI Security Gap: Risk, Compliance, and Innovation*" (2025). AMCIS 2025 Proceedings. 11. <https://aisel.aisnet.org/amcis2025/panels/panels/11>

Singh, Raghvendra; Sellitto, Dominic; and Smith, Sanjukta Das, "*An Investigation of the Role of Cybersecurity Professionals in Shaping AI Integration and Strategy*" (2024). AMCIS 2024 Proceedings. 29. <https://aisel.aisnet.org/amcis2024/security/security/29>

TECHNICAL REPORTS

Contributor, White Paper: Invisible Threats: Accessing the Heart of Machine Learning, (Hidden Layer Grant Funded, 2023)

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

CERTIFICATIONS AND LICENSES

Certifications: Certified Information Systems Security Professional (CISSP) - ISC² Member #544426

Digital Badges: Hands On Essentials – Data Warehouse (Snowflake), Connect to and Transform Data (Tableau)

ACADEMIC EXPERIENCE

University at Buffalo School of Management, The State University of New York, Amherst, NY

Clinical Associate Professor, Department of Management Science and Systems, 2025-Present

Clinical Assistant Professor, Department of Management Science and Systems, 2021-2025

- **Description:** Develops and teaches School of Management courses in Applied AI, Cybersecurity/Information Assurance, Cloud Data Warehousing, Data Engineering, Healthcare Analytics, Predictive Analytics, Data Visualization, Digital Forensics, and IT Management. These courses cover a variety of topics, including Cybersecurity Management, Privacy, Risk 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

Assistant Director, Center for AI Business Innovation, 2024-Present

- **Description:** Along with the center Director, built and managed the UB School of Management Center for AI Business Innovation, which is focused on its mission to bridge the gap between cutting-edge AI technologies and real-world business challenges, breaking down the barrier between today's research and tomorrow's business needs. With an emphasis on training and development, the center empowers local businesses, communities, and students by providing

access to AI tools, research, and consulting opportunities.

- **Audience:** All UB Students, Faculty, Working Professionals

Affiliated Faculty and Adjunct Instructor, Artificial Intelligence Institute, 2023-Present

- **Description:** Developed and taught School of Engineering Students a course in Storytelling with Data Visualization, which provides students with a conceptual baseline on key data visualization fundamentals (Gestalt Principles, Audience Considerations) and hands-on experience with industry-leading visualization platforms (Tableau and PowerBI).
- **Audience:** School of Engineering and Applied Sciences graduate students

Program Director, MS in Business Analytics, 2021-2025

- **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

Program Director, Online MS in Business Analytics, 2022-2024

- **Description:** Manages the day-to-day operations and long-term strategic planning for the Online Master of Science in Business Analytics program, which is one of the first fully online programs offered by the UB School of Management and is designed to provide an asynchronous structure to prepare students and current working professionals for exciting careers in Data Analytics and Business Intelligence. Develops online program foundations, as well as courses and curriculum for the program and engages with companies to facilitate student networking and job opportunities.
- **Audience:** MS Business Analytics, Working Professionals

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-Present

- Digital forensics case development (MS MIS, 2025)
- Cybersecurity training development (BS Information Technology and Management, 2024)
- Predictive Analytics and Generative AI (BS Computer Science, 2024)
- Machine Learning for Intrusion Detection Systems (MS MIS, 2024)
- Digital Forensics Methodology (BS Computer Science, 2023)
- Primary care physician risk scoring methodology (MS MIS, 2023)
- Development of a new classroom engagement product (MS BA, 2022)
- Metaphone, a virtual reality product (MBA, 2022)
- ETL, data cleaning, and analysis (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 (MS MIS, 2021)
- Considerations for automotive cybersecurity (MS MIS, 2020)
- Automobile forensic investigations (MS MIS, 2019)

Faculty Mentor, Gencyber Cybersecurity Camp, 2022

- **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

- Organized and led the AI Experience at UB (AIX@UB), which is a two-day summer camp for high schoolers focused on teaching them the foundations of AI and its applications (2025)
- Served as a Chair for the Great Lakes Tech Retreat industry day, securing guest speakers in AI, cybersecurity, and IT innovation from a variety of industries (2024)
- Served on the committee for the University at Buffalo plagiarism detection software (2024)
- Served as a Chair for the Eastern Great Lakes Analytics Conference industry day, securing guest speakers in data analytics and artificial intelligence from a variety of industries (2023)
- Developed and implemented a suite of tools using open-source generative artificial intelligence Large Language Models (LLMs) focused on privacy-focused process acceleration for School of Management Faculty, Staff, and Students. We developed micro-apps to provide the following capabilities: exam creation and versioning, teaching assistant (with course content as context), career advisement (cover letter development, resume critique, job interview preparation), and more. Leveraged Python (with LangChain and Django) and LLAMA2-derived open-source models to create and deliver (2023-present)
- Developed and implemented a chat platform, using the open source Mattermost product suite, to provide students in School of Management Online Programs with a networking platform to overcome the communication challenges of an asynchronous program. Utilized OpenShift to deploy the platform with prepackaged and custom containers to facilitate a resilient architecture (2023)
- Developed a Python-based automation platform for managing startup proposal submission to NYS platforms on behalf of Professor Thomas Murdock UB School of Management CEL (2023)
- Faculty Lead on UB Global Programs “Tech Trek” trips (2022-Present)
- Developed a web-based platform to facilitate student event check-in and tracking, integrating with UB ID cards, which was used to identify and provide analytical reporting for more than 500 students for the UB School of Management Welcome Day (2022)
- 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 (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

- Workshop Facilitator: Building Private, Local AI Document Searching Tools (UB Center for Entrepreneurial Leadership, December 2025)
- Lecture: AI, Open Source Intelligence, and Digital Forensics (UB, October 2025)
- Workshop Facilitator: Applied AI for Business (UB Center for Entrepreneurial Leadership, August 2025)
- Workshop Facilitator: AI Fundamentals (University at Buffalo CSTEP Program, June 2025)
- Guest: AI for Business (CEL Leadership Podcast, April 2025)
- Panel member: AI in the Classroom (SUNY AI Symposium, April 2025)
- Judge: UB Art of Research Competition (UB, March 2025)

- Panel member: Life Raft Debate (UB Honor's College, February 2025)
- Lecture: AI for Finance Professionals (UB Finance Academy, February 2025)
- Workshop Facilitator: Cybersecurity and Incident Response (UB Center for Entrepreneurial Leadership, December 2024)
- Panelist: Engaging with AI in the Classroom (University at Buffalo, November 2024)
- Lecture: Cybersecurity career conversations (Illinois State University, November 2024)
- Lecture: Cybersecurity and AI (University at Buffalo, November 2024)
- Lecture: Open-Source Intelligence and AI (University at Buffalo, November 2024)
- Session Moderator: Diverse Perspectives in AI (Great Lakes Tech Retreat, November 2024)
- Panel member: AI and Education (University at Buffalo Leadership Retreat, October 2024)
- Conference Speaker: An Investigation of the Role of Cybersecurity Professionals in Shaping AI Integration and Strategy (AMCIS, August 2024)
- Workshop Facilitator: AI and Cybersecurity (University at Buffalo CSTEP Program, June 2024)
- Conference Speaker: Spear and Shield Cybersecurity Simulation Platform (SUNY CIT Conference, May 2024)
- Keynote Speaker: Navigating the Generative AI Frontier: Conversations in Quality Management (ASQ: American Society for Quality, May 2024)
- Lecture: Open-Source Intelligence and Digital Forensics in the Age of AI (May 2024)
- Keynote Speaker: National Junior Honor Society (Lockport High School, April 2024)
- Lecture: AI in Finance (UB School of Management Finance Academy, February 2024)
- Conference Speaker: AI You Can Use (UB Communicators Conference, March 2024)
- Lecture: Digital Forensics Considerations for Artificial Intelligence (University at Buffalo School of Management, November 2023)
- Keynote Speaker: The Future of Ransomware: WNY IT Strategic Alliance (Systems Personnel, November 2023)
- Session Moderator: Cybersecurity and Artificial Intelligence (Eastern Great Lakes Analytics Conference, November 2023)
- Keynote Speaker: BN360 & University at Buffalo School of Management: From Buzzwords to Business: Integrating Business Analytics and AI into your Workflow (Buffalo Niagara Partnership, June 2023)
- Lecture: Digital Forensics Considerations for Artificial Intelligence (University at Buffalo School of Management, April 2023)
- Lecture: Predictive Analytics Applications for Cybersecurity (University at Buffalo School of Management, April 2023)
- Keynote Speaker: CFO Strategies for Cybersecurity: WNY CFO Strategic Alliance (Systems Personnel, March 2023)
- Lecture: Data Collection in Digital Forensics (University at Buffalo School of Management, February 2023)
- Lecture: Network Forensics (University at Buffalo School of Management, December 2022)
- 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: Email Security: WNY 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

GRANT WORK

U.S. Department of Energy: Understanding the mechanism and health consequences of low-dose radiation at a molecular level (Awarded, 2024)

- **Project Title:** Understanding the mechanism and health consequences of low-dose radiation at a molecular level.
- **Project Description:** This project seeks to apply state of the art methods in machine learning and generative artificial intelligence to model the impacts of low-dose radiation at the molecular level. We will leverage emergent properties and recent advancements in generative AI tools, such as large language models, to construct a methodology and tool to accomplish these tasks, while leveraging novel methods of experimentally verifying predictive results.
- **Role:** Co-I
- **Collaborators:** The Hauptman-Woodward Medical Research Institute (Dr. Edward Snell), UB School of Management
- **Current Status:** Awarded and In Progress

UB Office of Curriculum, Assessment, and Teaching Transformation Grant: AI Seed Fund Fellowship (Awarded, 2024)

- **Project Description:** The AI Faculty Fellow grant is provided to faculty members who previously were awarded seed funding and had successful projects as a result. The grant money is to continue furthering the development of those tools and educational materials. In my case, this is an extension of the initial funding from 2023.
- **Role:** Awardee

- **Current Status:** Awarded and Complete

U.S. Air Force Small Business Technology Transfer (STTR) Grant: Machine Learning Detection and Response for Space Force Ground Systems Phase 2 (Awarded, 2024)

- **Project Title:** Machine Learning Detection and Response for Space Force Ground Systems
- **Project Description:** This solution seeks to collaborate with a private sector company (Hidden Layer, Inc) to provide robust threat modeling to mitigate risk in order to improve security posture and supply chain integrity.
- **Role:** Senior Personnel
- **Collaborators:** UB School of Management (Sanjukta Das Smith, Kyle Hunt), UB Computer Science and Engineering (Siwei Liu), and Hidden Layer (Private Entity)
- **Current Status:** Awarded and Complete

U.S. Air Force Small Business Technology Transfer (STTR) Grant: Machine Learning Detection and Response for Space Force Ground Systems (Awarded, 2023)

- **Project Title:** Machine Learning Detection and Response for Space Force Ground Systems
- **Project Description:** This solution seeks to collaborate with a private sector company (Hidden Layer, Inc) provide robust threat modeling to mitigate risk in order to improve security posture and supply chain integrity.
- **Role:** Senior Personnel
- **Collaborators:** UB School of Management (Sanjukta Das Smith), UB Computer Science and Engineering (Siwei Liu), and Hidden Layer (Private Entity)
- **Current Status:** Awarded and Complete

UB Office of Curriculum, Assessment, and Teaching Transformation Grant: Generative AI Seed Fund (Awarded, 2023)

- **Project Title:** E.A.S.E. (Educational AI Support for Everyone)
- **Project Description:** EASE is a versatile platform leveraging local Large Language Models (LLMs) to elevate faculty and student engagements with AI tools and improve learning outcomes across undergraduate and graduate coursework. This Swiss Army Knife-style software is designed to provide an expanding suite of AI-powered micro-applications to faculty and students with a focus on enhancing instructor efficiency and student learning.
- **Role:** Awardee
- **Current Status:** Awarded and Complete

CURRENT GRANT PROPOSALS

National Institutes of Health R01 (PAR-25-203): Focused Technology Research and Development (Under Review, 2025)

- **Project Title:** A Focused Technology Platform for Validating Metals and Improving Structural Models of Metalloproteins (Under Review, 2025)
- **Project Description:** This project addresses a major source of error in biomedical research: incorrect assignment of metals in protein structures. By combining computational algorithms, experimental validation, and AI-based literature integration into a broadly accessible prototype technology platform, the project will improve the accuracy and reliability of structural models that underpin mechanistic biology, drug discovery, and AI-driven predictions supporting the design of new medicines, and ensuring that artificial intelligence systems trained on structural data are based on reliable information.
- **Role:** Co-I
- **Current Status:** Submitted

MEDIA SPOTS

What you should know about the Chinese start-up DeepSeek

- <https://www.marketplace.org/2025/02/05/what-you-should-know-about-the-chinese-start-up-deepseek>

X is about to change its block function. Some users worry it will empower abusers and compromise victim safety (Business Insider, 2024)

- <https://www.businessinsider.com/twitter-x-block-function-change-victims-domestic-abuse-safety-privacy-2024-10>

FBI investigating anonymous racist text messages (Spectrum News, 2024)

- <https://spectrumlocalnews.com/nys/central-ny/news/2024/11/13/fbi-investigating-anonymous-racist-text-messages>

CrowdStrike shares details on cause of global tech outage (USA Today, 2024)

- <https://www.usatoday.com/story/money/2024/07/24/crowdstrike-global-microsoft-tech-outage-cause/74531071007/>

'Painful' wake-up call: What's next for CrowdStrike, Microsoft after update causes outage? (USA Today, 2024)

- <https://www.usatoday.com/story/money/2024/07/20/how-microsoft-crowdstrike-update-large-impact/74477759007/>

AT&T is telling customers they were hacked. Protecting data has been a big fight – from companies like AT&T (CNN, 2024)

- <https://www.cnn.com/2024/07/18/tech/att-cyberattacks-data-privacy-laws/index.html>

Colleges work to recover from the CrowdStrike outage (Inside Higher Ed, 2024)

- <https://www.insidehighered.com/news/tech-innovation/administrative-tech/2024/07/22/how-crowdstrike-global-technology-outage>

Interview: University at Buffalo cybersecurity expert Dominic Sellitto explains how Friday's outage occurred (WIVB Buffalo, 2024)

- <https://www.wivb.com/video/interview-university-at-buffalo-cybersecurity-expert-dominic-sellitto-explains-how-fridays-outage-occurred/9882742/>

While not a cyberattack, CrowdStrike outage 'no less damaging' (UB Now, 2024)

- <https://www.buffalo.edu/ubnow/stories/2024/07/sellitto-microsoft-outage.html>

What experts are saying about the massive CrowdStrike global tech outage (Quartz, 2024)

- <https://qz.com/crowdstrike-global-tech-outage-experts-1851600081>

UB cybersecurity professional breaks down global tech outage (Spectrum News, 2024)

- <https://spectrumlocalnews.com/nys/buffalo/news/2024/07/19/ub-cybersecurity-professional-breaks-down-global-tech-outage>

13 Creepy Things Your Smartphone Knows About You (Readers Digest, 2024)

- <https://www.rd.com/list/things-smartphone-knows-about-you/>

Videos using AI are popping up on YouTube. How is YouTube Responding (NPR, 2024)

- <https://www.npr.org/2024/03/20/1239609121/videos-using-ai-are-popping-up-on-youtube-how-is-youtube-responding>

I spent 10 minutes shopping for a mattress topper online, and it dispelled all notions of online privacy I ever held (Business Insider, 2024)

- <https://www.businessinsider.com/websites-know-who-you-are-data-brokers-privacy-online-shopping-2024-3>

'There are no serious safeguards': Can 23andMe be trusted with our DNA? (The Guardian, 2024)

- <https://www.theguardian.com/technology/2024/feb/17/23andme-dna-data-security-finance>

In the wake of SEC's Twitter hack, here's how to protect your own account on X (MarketWatch, 2024)

- <https://www.marketwatch.com/story/sec-twitter-hack-heres-how-to-protect-your-own-account-on-x-42a89df0>

Artificial intelligence is key to efficiencies in the workplace: Table of Experts (Buffalo Business First, 2024)

- <https://www.bizjournals.com/buffalo/news/2024/01/05/artificial-intelligence-is-key-to-efficiencies-in.html>

Just 55% of People Actually Know what WPNS Do [Survey] (All About Cookies, 2023)

- <https://allaboutcookies.org/vpn-usage-survey>

Fact Check-No deal between DuckDuckGo and Microsoft to track users online (Reuters, 2023)

- <https://www.reuters.com/article/factcheck-duckduckgo-gates-track-idUSL1N3792HE>

Inside the Underground World of Black Market AI Chatbots (The Daily Beast, 2023)

- <https://www.thedailybeast.com/inside-the-underground-world-of-black-market-ai-chatbots>

How Black Market AI Chatbots are Making it Easier for Criminals to Scam You (CBC's Day 6, 2023)

- <https://www.cbc.ca/listen/live-radio/1-14-day-6/clip/16020776-how-black-market-ai-chatbots-making-easier-criminals>

White House considering crackdown on firms selling Americans' data (The National Desk and 60+ Sinclair Media Group Stations, 2023)

- <https://thenationaldesk.com/news/americas-news-now/biden-administration-considering-crackdown-on-firms-selling-americans-data>

Do we really need an app for everything? (Vox, 2023)

- <https://www.vox.com/money/23743915/iphone-android-apps-airline-dentist-pandemic-data-privacy-restaurant>

Your Private Data Is Going to Train Chatbots—Here's Why You Should Care (Lifewire, 2023)

- <https://www.lifewire.com/google-privacy-policy-ai-training-data-7557365>

'Use Your Instincts,' Cybersecurity Experts Suggest to Think Before You Click (WKBW 7 Buffalo, 2023)

- <https://www.wkbw.com/news/local-news/use-your-instincts-cybersecurity-experts-suggest-to-think-before-you-click>

'Holiday hammock' trend can put shoppers over budget and more items in landfills, UB experts say (Niagara Frontier Publications, 2023)

- <https://www.wnypapers.com/news/article/current/2023/10/25/157554/holiday-hammock-trend-can-put-shoppers-over-budget-and-more-items-in-landfills-ub-experts-say>

Oracle Member Spotlight: Dominic Sellitto (Oracle, 2023)

- <https://academy.oracle.com/en/about-success-spotlight-sellitto.html>

Does Artificial Intelligence Pose a Threat to Humanity? (Lithuanian National Radio & Television, 2023)

- <https://www.lrt.lt/mediateka/irasas/2000281363/pasaulio-5-ar-dirbtinis-intelektas-kelia-gresme-zmonijai>

Eastern Great Lakes Analytics Conference Explores Data Analytics and AI's Impact on Business and Education (UB, 2023)

<https://management.buffalo.edu/about/news.host.html/content/shared/mgt/news/analytics-ai-conference-brings-new-perspectives-businesses-higher-education.detail.html>

Ukraine and Russia Military and Cybersecurity Conflict (Multiple, 2022)

- <https://management.buffalo.edu/about/buffalo-business/2022autumn/features/how-real-threat-cyberwarfare.html>
- <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) (Multiple, 2021-2023)

- <https://www.buffalo.edu/ubnow/stories/2023/02/vaccine-hound-sunset.html>
- <https://www.buffalorising.com/2021/03/wny-vaccine-hound/>
- <https://www.buffalo.edu/ubnow/stories/2021/04/vaccine-hound.html>

PROFESSIONAL AFFILIATIONS

ISC²: International, nonprofit professional information security association (2015-Present)

VOLUNTEER SERVICE

Board Member: Child and Family Services of Erie County (2024-Present)

Lockport School District: National Junior Honor Society Induction Keynote Speaker (2024)

Tapestry Charter Schools: Internet Safety Seminar (2023)

Lockport Elementary School District: Cybersecurity Careers and Password Security guest speaker (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/profiling/cleaning (OpenRefine, Talend ETL, SSIS), data visualization (Tableau, Power BI, Qlik), data mining (Orange, SAS, RapidMiner), AI image generation and model training (Stable Diffusion), AI chatbot application development and model training (Llama and other open source platforms)

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)