

# Alan A. Katerinsky

57 Wellington Road

Buffalo, New York 14216

akaterinsky@gmail.com

(716) 832-0209

## CERTIFICATIONS, HONORS

- |                        |   |
|------------------------|---|
| <b>CompTIA</b>         | <b>Security + Certification</b> , July 2016   |
| <b>SUNY at Buffalo</b> | <b>Certificate of Advanced Study in Information Assurance</b> , June 2010<br>First recipient of the <b>Scholarship for Service</b> grant from the National Science Foundation |
| <b>ECC</b>             | <b>Information System Security Certification</b> , June 2008  |

## WORK EXPERIENCE

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|-------------------------------------|--|
| <b>Clinical Assistant Professor</b> | <i>University at Buffalo School of Management</i> 325 Jacobs Management Center<br><i>Management Science and Systems</i> Buffalo, NY 14260  |
| 9/18 – Present                      | <ul style="list-style-type: none"><li>• Instruction of courses in the Management Information Systems program.</li><li>• Research and course development for future offerings</li></ul>   |
| <b>Specializations</b>              | Provide guidance on many areas of Information Technology, including: <ul style="list-style-type: none"><li>• Programming</li><li>• Database Management</li><li>• Networking and Network Security</li><li>• Business Continuity: Strategic Contingency Planning</li><li>• Study of security policy and compliance issues with special attention to HIPAA, GLBA, FERPA, Sarbanes-Oxley and FISMA.</li></ul>  |
| <b>Security Research</b>            | <i>TEKsystems</i> 300 Airborne Pkwy, Cheektowaga, NY 14225   |
| 2/18 – 8/18                         | Contract to M&T Bank Enterprise Security.  |
| <b>Networking Consultant</b>        | <i>Free lance</i>  |
| 6/17 – 8/18                         | Diagnostic, and planning consultation for small business, including: <ul style="list-style-type: none"><li>• Network Segmentation</li><li>• Identity and Access Management</li><li>• Selection of UTM hardware and Software.</li><li>• Policy planning and composition</li><li>• Instruction of Employees in technical matters</li></ul>   |
| <b>Assistant Professor</b>          | <i>Hilbert College</i> 5200 South Park Avenue Hamburg, New York 14075  |
| 8/14 – 6/17                         | <ul style="list-style-type: none"><li>• Instruction of courses in the Computer Security and Information Assurance program.</li><li>• Organized and Faculty Advisor to the CyberHawks- A student organization for Network Defense competitions, and participation in the National Cyber League. Focused on Hacking techniques including Foot printing of remote Systems, Security Assessments, Vulnerability Testing, Penetration Testing, Static Code Analysis and Social Engineering.</li></ul> |
| <b>Specializations</b>              | Provided guidance and mentoring on matters of all domains of Information Security, including: <ul style="list-style-type: none"><li>• Operating Systems and Architectures</li><li>• Programming</li></ul>  |

- Database Management
- Networking and Network Security
- Regulatory Compliance and Computer Forensics
- Business Continuity: Strategic Contingency Planning
- Concept and hands-on application of Network Security concepts including Firewalls, VPN's, digital forensics, encryption, security protocols and TCP/IP. Database design and implementation. Study of security policy and compliance issues with special attention to HIPAA, GLBA, FERPA, Sarbanes-Oxley and FISMA.

**Security Research Analyst**

8/11 – 8/14

*Federal Trade Commission*      600 Pennsylvania Avenue      Washington, DC 20580

- Research and analysis of FISMA documentation, including, but not limited to NIST Special Publications 800 Series, Federal Information Processing Standards, Security Technical Implementation Guides, Plans of Action and Milestones and FTC Policies and Procedures
- Advise Chief Information Officer management on risk levels and security posture of applications, systems and network components under review, focusing on those risks outside the Agency's appetite
- Reported the security status of systems (including the effectiveness of security controls) to the CISO and CIO on an ongoing basis in accordance with the monitoring strategy in FISMA.
- Preparation, review and revision of FTC Policies and Procedures for the Office of the Chief Information Officer
- Administration of the Information Assurance SharePoint site, as well as the IA Intranet site

**Instructor**

9/10 – 8/11

Topics covered

*Bryant & Stratton College*      465 Main Street      Buffalo, NY 14203

Instruction in microcomputer operations, and Business Information Systems Principles.

- Network Administration, including  
Networking Fundamentals, Routing & Switching in Networked Environments, Network Security Fundamentals, Network Design and Implementation, Wireless Networking, Firewalls and VPNs,

**Adjunct Professor**

01/10 – 8/11

**Student Trainee (IT Specialist)**

06/09 – 08/09

*Erie Community College*      121 Ellicott Street      Buffalo, NY 14203

Instruction of DA106- Introduction to Microcomputer Applications.

*U.S. Department of Housing and Urban Development- Office of the Inspector General, Information Systems Audit Division* 451 7th Street S.W.      Washington, DC 20410

- Audited documentation of security controls, assessing and testing security controls to validate the effectiveness in accordance with NIST Special Publications SP 800-18, 800-30, 800-37, 800-53, and 800-53A, as well as Federal Information Processing Standards FIPS 199 and 200.
- Compiled work papers as the framework for review of four Major Applications and two Supporting Systems for Federal Information Security Management Act audits.
- Administrative and supplemental material contributions to the annual OIG Audit Division conference in Crystal City.

## EDUCATION

**SUNY at Buffalo**      **MS** in Management Information Systems,      June 2010, Major GPA 3.9  
**Scholarship** from the National Science Foundation  
**Certificate of Advanced Study** in Information Assurance, June 2010

Areas of Special Study:    Technology Management & E- Business, Database Management Systems,  
Information Assurance, Distributed Computing, Decision Support Systems, Systems  
Analysis and Design, Intellectual Property, Legal Cultural Issues in Cyberspace,  
Management of IT Projects, Managing Computer Networks, E-Commerce, Special  
Topics in MIS: Forensics

### **Erie Community College**

**A.O.S Certification** in Information Systems Security,      May 2008 GPA: 3.96,  
Dean's List

Areas of Special Study:    Info Systems Security , Programming in Visual Basic , E-Commerce , Computer  
and Network Security, Database Concepts, Database Security, Legal, Ethical &  
Regulatory Framework of Security, Digital Forensics, Networking Windows Server

**SUNY at Buffalo**      **Bachelor of Arts** in History, Cum Laude,      May 1980 GPA 3.48

## PUBLICATIONS

**Book Chapter** "Turning Westward; Information Policy in Post-Communist Romania and Bulgaria" in *Handbook of Research on Information Communication Technology Policy: Trends, Issues and Advancements*, published by IGI Global (formerly Idea Group Inc.), anticipated release in 2010.

**Conference Paper** "Harsh Realities 101: Augmenting Information Assurance with Legal Curricula", presented at *The Colloquium for Information Systems Security Education*, June 7-9, 2010; Baltimore Maryland.

## MEMBERSHIPS, HONORS, AFFILIATIONS, ETC.

**Member of: CompTIA, Phi Theta Kappa** National Honor Society, **InfraGard** Buffalo Chapter, **InfoTech** WNY Industry Association, **New York State United Teachers**.

**Winner** Student Category- **2010** Buffalo Emergent Technology Awards (BETA)- <http://www.thebetas.com/>

**Co-host** Internet Talk Show **Orthopedic Horseshoes** at <http://www.thinktwiceradio.com>