741 Main Street
Buffalo, New York 14203
T: 716.995.7777 F: 716.995.7778
www.teamavalon.com

Michael G. McCartney

Curriculum Vitae

OVERVIEW

Michael McCartney is the President of Avalon Cyber and is a highly decorated, 22-year veteran member of the law enforcement community having served as an Assistant Chief Investigator for the New York State Attorney General's Office (NYSAG) as well as five years with the United States Attorney's Office (USAO) for the Western District of New York. He is an internationally known expert in Computer Crime Investigations and Computer Forensics and has worked on some the nation's largest cyber-crime investigations.

One of the original founders of the Western New York Regional Computer Forensic Lab, Mike authored the original policies and procedures for evidence handling and processing. Mike also established several covert and undercover electronic evidence collection procedures which are still used as the standard today by law enforcement.

Michael has received numerous awards and accommodations from law enforcement agencies for his work on high stakes internet crime and computer forensic investigations.

Michael has served as a board member and committee chair member on numerous national and international panels overseeing high technology crime and computer forensic policy including the National Institute of Standards and Technology (NIST), Electronic Crime Partnership Initiative (ECPI). Michael is the past President of the High Technology Crime Investigators Association (HTCIA) Northeast Chapter, and currently serves the HTCIA International Executive Committee as a Co-Chair of the International Conference. Michael is the past board member of the International Association of Computer Investigative Specialists (IACIS) and National Center for Missing and Exploited Children (NCMEC) Buffalo.

Michael is a highly sought after lecturer having provided instruction to hundreds of federal, state and local law enforcement officers world wide as well as the American Bar Association, District Attorney's Associations and National Association of Attorneys General and numerous technology and compliance trade organizations. Michael has consensus-authored several publications on computer forensics and high technology crime investigations.

PUBLICATIONS – PUBLIC APPEARANCES

In addition to several publications, he has is regularly interviewed regularly by numerous media and print organizations.

Electronic Crime Scene Investigations: A Guide for First Responders, U.S. Department of Justice, Office of Justice Programs, National Institute of Justice, (July, 2001), NCJ 187736: http://www.ojp.usdoj.gov/nij/pubs-sum/187736.htm

Electronic Crime Scene Investigations: A Guide for First Responders, Second Edition U.S. Department of Justice, Office of Justice Programs, National Institute of Justice, (April, 2008), NCJ 219941: http://www.ojp.usdoj.gov/nij/pubs-sum/219941.htm

Compliance & Ethics Professional Magazine: A Publication of the Society of Corporate Compliance & Ethics, Organized Hackers Target Law Firms & CPA firms (September/October 2013)

Forensic Examination of Digital Devices in Civil Litigation: *The Legal, Ethical and Technical Traps*, American Bar Association, The Professional Lawyer Vol. 24 No.1 (2016)

SPECIAL SKILLS

Certified Computer Forensic Examiner (CFCE) Certified by the International Association of Computer Investigative Specialist (IACIS) since 1997, Michael was re-certified in 2005, 2009, and 2012.

He has qualified in several jurisdictions as an Expert Witness in Computer Forensics and Computer Crime and IT related matters in several court proceedings as well as providing countless Expert Affidavits.

PROFESSIONAL ACCOMPLISHMENTS

Buffalo Business First 40 Under 40 recipient

Buffalo Business First 612' C-Level recipient

Buffalo Business First Fast Track 50 award

InfoTech Niagara Executive of the Year Award

High Tech Crime Investigators Association International Case of the Year Award

NYSAG Outstanding Performance and Superior Service Awards.

Past Chairman of the New York State Board of Directors for National Center for Missing and Exploited Children (NCMEC).

Past Member of the International Board of Directors for the International Association of Computer Investigative Specialist (IACIS).

Past President and Member of the Board of Directors for the High Technology Crime Investigators Association, North East Chapter.

Member of the National Institute of Standards and Technology (NIST) - Office of Law Enforcement Standards, Technical Working Group on Digital Evidence (TWGDE). Responsible for the development and authoring of three (3) national publications on "Electronic Crime Scenes-A Guide to First Responders"; "A Guide for the Examination of Digital Evidence", and "High Technology Crime Investigations."

Past Member of the U.S. Department of Commerce, National Institute of Standards and Technology - Office of Law Enforcement Standards, Scientific Working Group on Digital Evidence (SWGDE). Responsible for the development and authoring of Computer Forensic Accreditation Standards submitted to the America Society of Crime Lab Directors (ASCLD/LAB).

Member and Chairperson of the National Institute of Justice (NIJ) Electronic Crime Partnership Initiative (ECPI), a multidisciplinary team of Subject Matter Experts ("SME's") responsible for national policy initiatives to enhance State and Local law enforcement efforts in the area of Computer Crime and Computer Forensics.

Former Adjunct Instructor for Hilbert College - Economic Crime Investigations (ECI) Curriculum. Provided semester instruction and hands on lab sessions to undergraduate students enrolled in the ECI program on Computer Forensics, High Technology Crime Investigations and Network Security (2005 to 2009).

Co-Founder responsible for the creation of a Regional Computer Forensic Laboratory (RCFL) for the seventeen counties embodied within the Western District of New York. Drafted the initial Policies and Procedures and Standard Operating Procedures manual.

Member of the Technical Advisory Committee of the Federal Law Enforcement Coordinating Committee (LECC) for the Western District of New York which oversees the RCFL.

Featured in the National Cyber-Crime Fighting Training Video sponsored by the National White Collar Crime Center (NWCCC), America's Most Wanted and America Online.

Recipient of the Microsoft Corporation Superior Service Award for an investigation into counterfeit software being distributed throughout New York State and the Northeast by an immigrant organized crime group.

Conducted and coordinated an investigation into the distribution of pharmaceuticals, and controlled substances over the internet without a prescription. The investigation brought to light a large scale illegal narcotic importation network operating in India, Ghana, Panama, Costa Rica and the United States.

Co-Case Agent with the US Drug Enforcement Administration responsible for international narcotics distribution network into the "date rape drug" GHB, and GBL. Operation Webslinger utilized internet wiretaps and resulted in the arrest of 115 individuals in 84 cities across the United States and Canada. Testified as an expert in a foreign court in Montreal, Canada.

Conducted a successful investigation into the activities of the person known as the "Buffalo Spammer" leading to the first conviction and prison time for a known email spammer in New York State.

Coordinated and led an international investigation into an organized group of child pornographers known as Pedo University. Operation Sabbatical resulted in execution of 21 simultaneous search warrants in 14 states and 4 countries.

Conducted and coordinated a multi-state undercover investigation into child pornography on the internet known as Operation RipCord. Investigated for over 250 Internet crimes in 34 months.

Coordinated and led a large undercover investigation of Internet Service Providers (ISP) and the source of child pornography over the internet. The case resulted in groundbreaking agreements with some of the largest ISPs in the United States to block two significant sources of child porn; Usenet Newsgroups and child porn websites carried on their servers.

PROFESSIONAL AFFILIATIONS

Certified Police Officer - New York State Bureau of Municipal Police Training Council and New York State Department of Criminal Justice Services. 1996

International Association of Computer Investigative Specialists (IACIS) –
- Past member of the Board of Directors
- Certified Forensic Computer Examiner – Instructor (1998 – 2002)
- Certified Forensic Computer Examiner (CFCE) – Re-Certified 2005; 2009, 2012
- Computer Forensic Certification Coach - (1998 – 2002)

National Institute of Standards and Technology (NIST) Office of Law Enforcement Standards
- Technical Working Group on Digital Evidence (TWGDE)
- Scientific Working Group on Digital Evidence (SWGDE)

Electronic Crime Partnership Initiative (ECPI)
- Chairperson of the Technical Assistance Committee

Certified Fraud Examiners - (CFE) Associate Member

High Technology Crime Investigators Association – Northeast Chapter (HTCIA)
President 2009-2010
1st VP 2008-2009
2nd VP 2007 - 2008
High Technology Crime Investigators Association – International Conference Committee

National Association of Attorney's General (NAAG) –Member of the Internet Working Group

Law Enforcement Coordinating Committee (LECC) - U.S Department of Justice
Cyber-Crime Task Force – WDNY
Technical Advisory Subcommittee - WDNY
Asset Forfeiture Working Group - WDNY

International Association of Financial Crime Investigators (IAFCI)

Mid-Atlantic Great Lakes Organized Crime Law Enforcement Network (MAGLOCLEN)

New York State Police Information Network (NYSPIN) - Terminal Agency Coordinator

Infraguard – Member

EDUCATION

Canisius College, Bachelors of Arts Degree in Sociology and Criminal Justice - 1990

University at Buffalo School of Management, Center for Entrepreneurial Leadership - 2012

Former Adjunct Instructor for Hilbert College - Economic Crime Investigations (ECI) Curriculum. Provided semester instruction and hands on lab sessions to undergraduate students enrolled in the ECI program on Computer Forensics, High Technology Crime Investigations and Network Security

New York State Bureau of Municipal Police Training Council and New York State Department of Criminal Justice Services Certified Police Training Academy, Albany, New York. (1996)

Royal Canadian Mounted Police (RCMP) - Canadian Police College, Ottawa, Canada, Network Principals and Investigative Techniques Course. This training included investigative techniques and search and seizure of Servers and Networks.

High Technology Crime Investigators Association, International Conference. A three day advanced High Technology Crime Conference dealing with computer crime issues and computer forensic issues facing today's law enforcement. (1997 through 2016)

International Association of Computer Investigative Specialist, (IACIS) annual training conference, Orlando Florida. Attended the basic CFCE certification course in 1997. Attended numerous advanced classes, provided instruction and coaching services and served on the Board of Directors. (1997 through 2008)

SQL Database administration and programming course 2073. Microsoft certified training course provided advanced SQL database programming and query language techniques and protocols.

Trust Wave, Network Intrusion and Investigations Training held at the Stephen E. Smith Cyber Center, John Jay College, Manhattan, NY.
MANDIANT Advanced Network Investigations and System Exploitation. Training into advances techniques used to uncover network intrusions and incident response and to examine and analyze a live system for system files and event logs.

New York State Police Computer Crime Unit, Albany, New York. Areas of discussion included Computer Forensics; Stenanography; Networking & Encryption; and Cyber forensics.

Coordinated Law Enforcement Unit (CLEU) - Targeting the Sexual Exploitation of Children Seminar, Vancouver, British Columbia.

Recognition of Counterfeit Products, Microsoft Corporation. Training included the techniques and identifying markings used to identify counterfeit Microsoft products and licenses.

Remarked Computer Chips Seminar, Intel Corporation. Training included the techniques and methods used to identify remarked Intel Computer Processors.

National Counter Intelligence Center Regional Awareness, Niagara Falls, New York. Attended the Computer Technology - Security - Espionage seminar held by the NCIC.

Mid-Atlantic Great Lakes Organized Crime Law Enforcement Network (MAGLOCLEN), Interview and Interrogation Course, Grand Island, New York.

U.S. Department of Justice Complex Computer Search Warrant Seminar, SUNY Buffalo, Buffalo New York.

TEACHING / LECTURING EXPERIENCE

Homeland Security Management Institute (HSMI) Security Conference. Rochester, New York. Frequent Guest speaker presenting on Computer Forensics and Cyber Security.

Institute of Internal Auditors (IIA) – Buffalo Chapter. Frequent Guest speaker presenting on utilizing computer forensics as part of your internal audit process.

New York State Society of Certified Public Accountants (NYSSCPA). Frequent Guest speaker presenting on utilizing computer forensics as part of your internal audit process.

Society of Corporate Compliance and Ethics (SCCE). Frequent Guest speaker presenting on Digital Forensics and Cyber Security

New York State Trial Lawyers Association (NYSTLA). Frequent Guest speaker presenting CLE accredited lectures on Computer Forensics.

National Association of Attorney's General, Computer Crime Seminars. Frequent Guest speaker presenting on Investigative Techniques in conducting undercover Internet investigation and on-line evidence collection procedures.

International Association of Computer Investigative Specialists, (IACIS) annual training conference, Orlando Florida. Served as Co-Director of Training, Instructor and Certification Coach. (2003, 2001, 2000, 1999)

Netanium Network Security Conference. Guest speaker presentation on CLE accredited course, Computer Forensics and Cyber Security.

New York State Cyber Crime Summit – NYS Office of Cyber Security and Critical Infrastructure Coordination (CSCIC), Cyber Security Conference, Albany, NY. Frequent guest speaker on Internet Bot Net networks and exploits commonly used.

Erie County Bar Association – Frequent guest speaker on CLE accredited topics in Computer Forensics

Homeland Security and Technology Forum Conference, Niagara Falls, NY – Frequent guest speaker lecturing on state of computer forensics in corporate business environments and using pro-active measures.

Mid Atlantic Great Lakes Organized Crime Law Enforcement Network (MAGLOCLEN) Frequent guest speaker presenting on the emerging trends of violence on the internet.

Internet safety Presentation. Frequent guest speaker presenting to schools, parents and administrators on current trends in Internet Crime and Prevention.

Lectured on SUNY UB Business School, Buffalo, NY. Frequent guest speaker presenting on the state of computer and technology and impact on business.

SUNY UB Law School, Buffalo, NY. Frequent guest speaker presenting on the state of computer and technology search warrants. Limitations of NYS CPL and out of state legal process.

High Technology Crime Investigators Association (HTCIA), International Training Conference. Frequent guest speaker presenting on topics such as Case studies, Computer Forensics, Complex Internet investigations and Digital Evidence Handling and Processing.

Securities and Exchange Commission (SEC) FCPA Boot Camp: Lectured to DOJ, FBI, FTC and SEC on computer forensic issues as they relate to Foreign Corruption Practices Act and other compliance and regulatory audit efforts.

New York State Police Investigators Academy, New York. Frequent guest speaker Instructing to Police Officers and Investigators on conducting and preparing a Complex Computer Crime Investigation.

International Association of Chiefs of Police (IACP) Miami, Florida. Lectured on behalf of the Electronic Crime Partnership Initiative ECPI to the IACP National Conference in Miami. The lecture topic consisted of Regional Approach to Computer Forensics and the certification issues associated with Labs and lab practitioners.

Partners Meeting for Seyfarth, Shaw, LLP., Atlanta, Georgia. Lecture was presented to the Partner's Executive Committee of a large national litigation law firm on the current state of computer security and the use of technology in the review and production of Electronic Discovery. The conference was attended by over 200 Partners for Seyfarth Shaw LLP.

Computer and Enterprise Investigations Conference (CEIC), Chicago, Illinois. Lecture on Detecting Fraud in the 21st Century.

Digital Discovery Conference, Chicago Illinois. Lecture consisted of how to manage the Electronic Discovery process from document retention plans to the Strategic Presentation of Electronic Evidence in the court room.

American Bar Association (ABA), National Cyber Crime Conference, John Marshall School of Law, Chicago Illinois.

New York State Police Academy, Albany, New York. Instructed Department of Environmental Conservation police officers on conducting internet crime investigations, capturing on-line evidence and conducting undercover operations.

New York State Office of Information Technology, Security Conference, Albany, New York. Instructed on the state of high technology crime affecting government systems and the private sector.

Erie County Central Police Services, Erie County Police Academy, Buffalo, New York. Instructed to police academy recruits on the emerging computer crime issues and how to deal with electronic evidence at a crime scene.

New York Prosecutors Training Institute (NYPTI), New York State Forfeiture Law Advisory Group (FLAG), Asset Forfeiture Conference, Syracuse University Law School. Provided instruction on investigative techniques for conducting an Asset Forfeiture Investigation.

New York State Office of Technology, Information Security Conference, Albany, New York. Instructed on the state of high technology crime affecting government systems and the private sector.

National Law Enforcement and Corrections Technology Center, Utica, New York. Instructed at a seminar entitled *Cyber-Crime - Computer Forensics*. Instruction included information on Computer Search and Seizure Issues and How to Investigate a Computer Crime.

Log Into Crimes on the Internet Conference, Austin, Texas. Instruction included Conducting On-Line Crime Investigations, Search and Seizure Issues, Polices and Procedures in Conducting Undercover On-Line investigations and Computer Forensic Issues.

Advanced Internet Crime Seminar, Buffalo, New York. Coordinated developed, and scheduled the program for this seminar. The material presented included advanced techniques involving internet based crime, tracking and tracing electronic "footprints" of illegal activity on the internet, and on-line evidence collection procedures.

Bureau of Municipal Police Training Council's mandatory training entitled Course in Police Supervision, Training Center, Albany, New York. Instruction included information regarding Crimes on the Internet and Law Enforcement Approaches to High Technology Crime Investigations.

Internet Safety, Utica, New York. Participated in the production of a television show regarding internet safety issues and law enforcement role in investigating on-line crime.

The Investigation and Prosecution of Cyber-Crime, New York City, New York. Sponsored by the United States Secret Service, New York State Attorney General and America On Line.

Vermont Attorney General's Office - Vermont State Police, Burlington, Vermont. Instructed a one day seminar on the Investigation and Prosecution of Sex Crimes on the Internet