

Curriculum Vitae

Name: Frank C. Fuchs

Employer: Illinois State Police

Term of Employment: 27 years

Computer Evidence Recovery Specialist, Division of Operations 1998-2012

Computer Systems Software Specialist, Division of Administration 1985-1998

Employment:

Illinois State Police 1985-2012

As an investigative expert, functions as a certified computer evidence recovery specialist for the Illinois State Police, Division of Operations, Special Investigations Bureau. Responsible for the processing of crime scene information, collection, examination, analysis and reporting of seized digital evidence either from the crime scene or in a lab environment. On a regular basis, provides court testimony of digital evidence related to criminal and cybercrime activity, and various employee misconduct allegations. As an investigative expert, have processed hundreds of forensic examinations of digital evidence involving crimes against children; missing persons; drug investigations; financial fraud; network intrusions, computer tampering and email threats against elected officials.

Responsibilities also include serving as a liaison for state, local and federal investigations; as a National White Collar Crime (NW3C) agency representative; in support of internal investigations and litigation matters; as a subject matter expert for the agency's Special Investigations Bureau; and provides subject matter presentations for the agency's training academy and various academic institutions.

Responsible for evidence and vault inspections, evidence scheduling, receiving and return of digital media maintained and stored in the Computer Evidence Recovery Unit's storage vault.

Additional Assignment:

On an ongoing basis, responsible for conducting security audits of all law enforcement agencies that interface with the Illinois State Police LEADS system. Responsibilities include organizing and reporting of the triennial audit of all criminal justice and noncriminal justice agencies which have direct access to the criminal records system in order to ensure compliance with the FBI/CJIS Division of Policy and Regulations.

University of Illinois Springfield 2011-2014

Serves as a visiting instructor for the Department of Computer Science at UIS. Develops and teaches Digital Forensics, Incident Response and Evidence Collection, and EnCase Certification Preparation courses.

Education:

University of Illinois Springfield

B.A. Business Management

Sangamon State University Graduate Program

Illinois State Police Command College: Criminal Justice

Computer Evidence Recovery Training/Education:

Federal Law Enforcement Training Center - Glenco, GA

Seized Computer Evidence Recovery Specialist, 1999

Federal Bureau of Investigation - Quantico, VA
Unix for Investigators, 2000

International Association of Computer Investigative Specialists (IACIS)
Basic Computer Evidence Recovery, 1999
Advanced Computer Evidence Recovery, 2000
Advanced Computer Networks, 2001
Certified Forensic Computer Examiner, 2001

Forensic Association of Computer Technologists (FACT)
Forensic Data Recovery, 1998
Computer Forensic Processing, 1999
Computer Evidence Recovery, 2000

Guidance Software Inc.
EnCase Intermediate, 2000
EnCase Computer Forensic Analysis Level II, 2001
EnCase Internet and E-Mail Examinations, 2003
EnCase Cell Phone Forensics, 2008
EnCase Network Intrusions Investigations, 2008

High Technology Crime Investigation Association (HTCIA)
HTCIA Conference, 2000-2001

National White Collar Crime (NW3C)
Basic Data Recover and Analysis, 2003
Advanced Data Recovery and Analysis, 2004
Advanced Data Recovery Email, 2004
Advanced Data Recovery Win NTx, 2004
Cybercop 302 INET, 2006
Secure Tech On-Site Preview (STOP) 2005
Cyber-Investigation 100-ISEE, 2008
Cybercop 310 NT Operating System, 2009

AccessData, Inc.
Forensic BootCamp (Chicago - RCFL) 2004
Forensic Password Toolkit (Chicago Police Department), 2005
Windows Forensics – Forensic Toolkit (Pennsylvania State Police) 2007

Levi, Ray & Shoup, Inc.
Ethical Hacking & Counter Measures, 2008

Ranken College, St. Louis, MO
Linux Basics, 2005

Suburban Law Enforcement Agency
Cyber Terrorism, Identity Theft and Cyber Stalking, 2005
Advanced Cyber Terrorism, 2006
Social Networking Sites, 2009

NW3C sponsored by U.S. Department of Justice
ILook Version 8, 2006 & 2008

International Information Systems Security Certification Consortium, Inc. (ISC²)
CISSP Course, 2011

Technical Certifications:

Certified Novell Engineer (CNE) 1998

Microsoft CompTia A Plus, 2001

Certified Forensic Computer Examiner (CFCE) 2001-2014

EnCase Certified Examiner (EnCE) 2003-2014

Publications:

Technical White Paper:

Windows Prefetch Cache: A Guide for Computer Forensic Examiners, October 2006. Co-authored and published by the International Association of Computer Investigative Specialists (IACIS).

Illinois State Police Perspective article:

Wording Your Warrants, 2005. An article referencing specific wording of search warrants where computer evidence will be searched for, seized and subsequently examined.

Illinois State Police Agency Representative:

Designated National White Collar Crime Center member agency representative. Served as the main point of contact between NW3C and the Illinois State Police for investigative support. 2008-2010

Presentations & Instructor Led Classes:

Intrusion Prevention presentation. Northern Illinois University. October 2008

Digital Forensics Challenge. University of Illinois Springfield. 2010-2014

Cyber Defense and Disaster Recovery Conference, University of Illinois, 2014

First Responder presentation/training: A Guide for Investigators Responding to Computer Crime Incidents. Illinois State Police Academy, Basic Investigator Classes.

Guidance Software, Inc.

Part-time EnCase Coach and Instructor, 2004-2007

IACIS Coach/Instructor:

Coach/Instructor for the *International Association of Computer Investigative Specialists* (IACIS), 2010-2014.

Memberships:

High Tech Crime Investigators Association (HTCIA) 2000 - 2002

International Association of Computer Investigative Specialists (IACIS) 2003 - 2014

InfraGard - Springfield Member Alliance 2009 - 2014

Court Testimony - Crimes Against Children Investigations:

Livingston County, Pontiac, Illinois 1999

Montgomery County, Hillsboro, Illinois 1999

Clark County, Marshall, Illinois 2003

Jersey County, Jerseyville, Illinois 2004

Clinton County, Centralia, Illinois 2004

Randolph County, Chester, Illinois 2004

Sangamon County, Springfield, Illinois 2005

Federal Court Testimony:

United States District Court - Northern District of Illinois, Chicago 2005
United States District Court - Western District of Kentucky, Louisville 2006
United States District Court - Southern District of Illinois, East St. Louis 2008

Expert Witness:

United States District Court - Western District of Kentucky, Louisville 2007