

# 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. (ISC/2)  
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:**

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| 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:**

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| 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:**

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| 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:**

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