

ANDREW ROBERT SMITH - CV



Director of Computer Forensic Services

“I am a self-motivated person, with the ability to work unsupervised or as part of a team. As a Director and well-trained investigator with a broad range of experience I am open to new methods and ideas and have a flexible approach to investigations.”

PROFESSIONAL PROFILE

As a Director of Forensic Services, I have experience of developing procedures and policies in a fast growing unit that utilises the latest technologies. I am also an experienced computer forensic/mobile phone investigator with extensive training and comprehensive experience in relation to criminal investigations that include indecent images, terrorism, murder and fraud. I have practical experience of e-discovery investigations and incident response. I have also conducted research into the analysis of volatile data and the extraction of encryption keys from computer memory. I have created forensic tools called Memgator, TrueDecrypter and LiveGator. I have sixteen years' experience as a nationally qualified trainer and assessor and have regularly provided training for law enforcement officers. Having identified a lack of training opportunities for the legal profession I established a company called E5h Forensic Solutions. The aim of the company being to provide training to the legal profession in relation to understanding and interpreting computer based evidence. I have developed UK Law Society approved courses and a high level volatile data analysis course for forensic investigators. With over eleven years' experience in the field of computer forensics I have experience of presenting computer-based evidence in court as an expert witness that has resulted in a successful outcome to the cases on many occasions. I am currently developing a range of forensic courses for the Asian market aimed at IT staff, investigators conducting onsite raids, lawyers and people wishing to become digital forensic investigators.

AREAS OF EXPERTISE

Computer/mobile forensics

- Large frauds
- Terrorism
- Malware Investigations
- Volatile data analysis
- Criminal investigations including murder, indecent images & importation
- IP investigations
- Metadata analysis of Microsoft word documents
- Onsite search and seizure

Computer forensic training

- Nationally qualified trainer & assessor
- Recognised teacher status
- Delivery of master degree courses
- Owner of a forensic training company
- Creation & delivery of UK law society approved courses
- Development of forensic courses for Asian market
- Delivery of training courses to law enforcement officers & associated agencies

PROFESSIONAL EXPERIENCE

Orion Investigations, Bangkok, Thailand Dec 2011 to Present

- Director of Computer Forensic Services
- Business Development & Marketing
- Development and delivery of training for Clients and staff
- Forensic software development
- QA for all computer and mobile forensic investigations

AGT Advanced German Technology, Dubai, UAE Oct 2011 to Nov 2011

- Forensic Consultant
- Provide consultancy services to clients within Middle East and Europe
- Development & implementation of new procedures / policies
- Development and delivery of training courses

7Safe Information Security, Sawston, Cambridgeshire Feb 2008 to Sept 2011

- Managing Consultant
- Managing a team of forensic investigators
- Staff Training
- Development & implementation of new procedures / policies
- Onsite acquisition & preservation of computer data
- The extraction of data, analysis and reporting of findings

- Delivery of evidence at court as an expert witness
- Delivery of training courses

E5h Forensic Solutions, Bolsover, Derbyshire, Aug. 2005 to present

- Designing and providing training for the legal profession in relation to understanding and interpreting computer based evidence
- Providing training to the public in relation to Internet safety
- Designing and delivering bespoke courses to forensic practitioners

7Safe Information Security, Sawston, Cambridgeshire June 2006 to February 2008

- Senior Forensic Investigator
- Onsite acquisition & preservation of computer and mobile phone data
- The extraction of data, analysis and reporting of findings
- Delivery of evidence at court as an expert witness
- Delivery of training courses

South Yorkshire Police Force, Sheffield, South Yorkshire, Aug 2002 to June 2006

- Digital Evidence Recovery Officer for the South Yorkshire Police, Computer Forensic Unit
- The role involves data recovery and preservation of evidence at scene
- The extraction of data, the analysis and reporting of findings
- Presenting the findings at court
- Providing training to law enforcement officers
- On occasions fulfilling the role of unit manager - Management of staff
 - Prioritising of investigations
 - Identifying staff training needs

Self Employed Computer Repair Business, Bolsover, Derbyshire, Dec 2000 to April 2004

- Repairing, upgrading and building new computer systems for customers

EDUCATION AND TRAINING

- EnCase Intermediate Course in Computer Forensics by the developers Guidance Software Inc, in Oct 2002
- Core Skills in Data Recovery & Analysis by Centre for National Hi Tech Crime Training, in Nov 2002
- Computing Forensic Foundation Course by Royal Military College of Science, Shrivenham, Feb 2003
- Computing Forensic Internet Course by Royal Military College of Science, Shrivenham, Mar 2003
- Internet & Email Examination Course by the developers Guidance Software Inc, in April 2003
- Computing Forensic Network Course by Royal Military College of Science, Shrivenham, June 2003
- Microsoft Office Documents Examination Course by Royal Military College of Science, Shrivenham, July 2003
- Encase Advanced Training Course in Computer Forensics by the developers Guidance Software Inc, in Aug 2003
- Encase Enscript Training Course in Computer Forensics by the developers Guidance Software Inc, in Aug 2003
- AccessData Boot Camp by Access Data, in Sep/Oct 2003
- AccessData Microsoft Windows Advanced Forensic Course by AccessData, in Feb 2004
- Forensic Artefacts: Hands On by 7Safe, Cambridge, U.K. in June 2004 and I achieved the CFIA (Certified Forensic Investigation Analyst) certification
- Ilook Ver8.08 Investigator's Course by Centre for National Hi Tech Crime Training, in Feb 2005
- Hacking Insight: Hands On by 7Safe, Cambridge, U.K. in March 2005 and I achieved the CSTA (Certified Security Testing Associate) certification
- Hacking Insight: Hands On 2 by 7Safe, Cambridge, U.K. in March/ April 2005
- WIFI Security Hands on by 7Safe, Cambridge, U.K. in July 2005
- XRY Training by Micro Systemation, Sweden in September 2006
- Windows Forensics Vista by AccessData, Manchester in April 2008
- Windows Vista Training by Dave Titheridge, Sawston in August 2008
- Nux software Training , Sawston in September 2008
- Forensic Artefacts: Hands On by 7Safe, Cambridge, U.K. in May 2009
- Applied Apple Mac Forensics: Hands on by 7Safe, Cambridge, U.K. Mar2010
- X-Ways Forensics by 7Safe, Cambridge, U.K. June 2010
- Windows Forensics Training, Cambridge, U.K. August 2011

- AccessData ACE Certification, Dubai, UAE, October 2011
- Certified Cellebrite Training Course and Cell Phone Forensics, Singapore , July 2013

Published Articles & Interviews

- Australian Chamber of Commerce Thailand Magazine, June 2013
- Bangkok Post, September 2012
- Bangkok Royal Sports Club Magazine, April 2012

Guest Speaker

- Automotive Focus Group (AFG), Employee fraud, is it costing your organisation?
October 2013
- Australian-Thai Chambers of Commerce, (Cyber-crime would your business know how to respond?), May 2013
- Electronic Transaction Development Agency (ETDA) The threat to corporate data and verification of digital evidence seminar, (Memory Analysis – How to identify a compromised computer), September 2012
- BSA Enforcement Retreat, Bangkok, (a focused approach to forensics, how it can be applied to end user raids), September 2012
- American Chamber of Commerce, Bangkok, (what is computer forensics), February 2012
- RAF Brampton, Huntingdon, UK, (collecting volatile data), January 2008

Software Development

- LiveGator – Incident response tool, 2012
- TrueDecrypter – TrueCrypt decryption tool, 2010
- MemGator – Memory analysis tool, 2009
- Orion Software Auditor, 2013