

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 a range of free forensic tools which are now used in many forensic labs around the world. 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 a UK Law Society approved course. With over seventeen years' experience in the field of computer forensics I have experience of presenting computer-based evidence in court as an expert witness in both UK and Thai court 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 and EXPERIENCE

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
- Forensic software development
- Expert Witness for court

Computer forensic training

- Granted recognised teacher status by university of Glamorgan UK for 4 years
- Delivery of master degree courses
- Creation & delivery of UK law society approved course
- 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

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

E5h Forensic Solutions, Bolsover, Derbyshire, Aug. 2005 to June 2006

- 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

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

South Yorkshire Police Force, Sheffield, South Yorkshire, Dec 1997 to Aug 2002

- Uniformed police constable in Sheffield
- Trained for undercover test purchases

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 and I achieved the CMFS (Certified Mac Forensic Specialist) certification
- 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
- AccessData Certified Examiner, Bangkok, February 2015

Published Articles & Interviews

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

Guest Speaker

- Ramkhamhaeng University Open Seminar, April 2017
- BSA Assessment of Software Related Risks in Today's World of Business, December 2015
- BSA APAC workshop, Basic Forensics applicable at end user actions. August 2015
- ETDA Open Forum, Handling Electronic Data that May be Used as Evidence. July 2015
- Attorney General and Prosecutors Office, Orion Digital Evidence Collection Process, June 2015
- Overseas Security Advisory Council, Fighting Cyber-Crime in the Hospitality Industry, May 2015
- British Chamber of Commerce Thailand, Insight into Cyber- Crime Investigations, March 2015
- 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
- Pattaya Expats Club, (What is Digital Forensics?), March 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 – software auditing tool, 2013
- NTFS Journal Viewer – extracts and parses the \$Usn\$Jrnl file, July 2015
- Prefetch Data Extractor – extracts details from the system prefetch files, July 2015
- Windows Search History Extractor – extracts details of search terms used in the Windows 8 search engine, July 2015
- USB Forensic Tracker – extracts details of USB devices that have been connected to computer, July 2015
- MicroGator – Microsoft software auditing tool, August 2015