

MARK J. ESKRIDGE, OWNER / INVESTIGATOR
DIGITAL FORENSIC INVESTIGATIONS, INC.
California Private Investigator license #26633

COLLEGE EDUCATION

B.A. degree in Criminal Justice from Cal State, Fullerton in 1987.

EMPLOYMENT HISTORY

Since 2010 I have owned and operated my own private investigation firm, specializing in digital data recovery, as well as computer and cell phone forensics.

From August of 1996 to September of 2010 I was employed as a criminal investigator / computer forensic examiner for the Orange County District Attorney's Office in California, primarily assigned to the High Technology Crime / Computer Forensic Unit from 1999 through 2010.

From May of 1987 to August of 1996 I was employed as a police officer and detective for the City of Fountain Valley Police Department in California.

DIGITAL FORENSIC CERTIFICATIONS

I was awarded a Digital Forensics Certified Practitioner (**DFCP**) "founder" certification from the Digital Forensics Certification Board (**DFCB**) in January of 2010. Certification renewed in 2016.

I attained a Certified Forensic Computer Examiner (**CFCE**) certification from the International Association of Computer Investigative Specialists (**IACIS**) in July of 2007. Certification renewed in 2016.

I was awarded an EnCase Certified Examiner (**EnCE**) certification from Guidance Software in August of 2008. Certification renewed in 2016.

I was awarded the Certified BlackLight Examiner (**CBE**) certification from BlackBag Technologies in February of 2016.

I was awarded the GIAC Advanced Smartphone Forensics (**GASF**) certification from Global Information Assurance Certification (**GIAC**) in February 2017.

I was awarded the Cellebrite Certified Mobil Examiner (**CCME**) certification in April of 2016.

I was awarded the Cellebrite Certified Logical Operator (**CCLO**) and the Cellebrite Certified Physical Analyst (**CCPA**) certifications from Cellebrite in August of 2014.

I was awarded the Lantern iOS / Mac OSX Lab Certification from Katana Forensics in October of 2012.

DIGITAL FORENSIC INSTRUCTION

Between 2010 and 2012, I was a part-time instructor for the High Tech Crime Institute (www.gohtci.com). Several times a year, I conducted a one week computer forensic boot camp, for law enforcement computer forensic examiners, at the HTCI headquarters in Tampa, Florida. On several occasions, for HTCI, I had also conducted a one week computer forensic battlefield triage class for NATO troops in Brussels, Belgium.

I have been a coach/mentor for the International Association of Computer Investigative Specialists (IACIS) since 2009, assisting and evaluating candidates for the Certified Forensic Computer Examiner (CFCE) certification.

I presented 2 class sessions of computer/cell phone forensics at the 2015 CALI (California Licensed Private Investigators) annual conference in Reno, Nevada.

I presented 1 class session of computer/cell phone forensics at the 2016 CALI (California Licensed Private Investigators) annual conference in Indian Wells, California.

PROFESSIONAL MEMBERSHIPS

IACIS

I have been a member of the International Association of Computer Investigative Specialists since 2000. This is an international group of law enforcement and private industry computer forensic examiners, which offers training and also shares information on computer forensic related problems and solutions.

DFCB

I have been a member of the Digital Forensic Certification Board since 2010. This group is dedicated to promoting digital forensics certification and standards.

CDFS

I have been a member of the Consortium of Digital Forensic Specialists since 2011. This is an international group dedicated to improving the digital forensic profession through unity, advocacy, and standardization.

HTCIA

I am a former member of the High Technology Crime Investigation Association (1995 – 2012). This is an international group of both law enforcement and private/corporate computer forensic examiners that share information on computer forensic related problems and solutions. I had served as the elected secretary of the Southern California chapter between 2010 and 2012.

HTCC

I am a former member of the High Technology Crime Consortium mailing list. This is an international group of both law enforcement and private/corporate computer forensic examiners that share information on computer forensic related problems and solutions over an email list.

FORMAL AND INFORMAL TRAINING IN COMPUTER INVESTIGATION AND DIGITAL FORENSICS

After being assigned to the OC District Attorney's Computer Forensic Unit since 1999, I had been involved in training OCDA attorneys and investigators, as well as other local law enforcement personnel, in all aspects of computer forensics technical and legal issues.

I have forensically examined in excess of 2500 computer hard disk drives and assorted digital media, primarily utilizing Guidance Software's EnCase computer forensic tool suite since 1999. Additionally, I have received training in and have utilized Apple iOS forensic tools since 2007. Between 1997 and 2017, I have attended thousands of hours of miscellaneous computer crime and computer forensic specialized training.

I own and utilize multiple computer forensic suites, including Guidance Software's EnCase v6/v7, X-Ways Forensics v19, BlackBag Technologies' BlackLight v2016, GetData's Forensic Explorer v3, and Magnet Forensic's Internet Evidence Finder v6.

I own and utilize a full set of Tableau hardware write blockers, a Tableau TD2u forensic duplicator, an ICS ImageMASter SOLO-4, and I have extensive experience in Linux based forensic boot disks. For network environments, I own and utilize the F-Response Tactical hardware/software solution.

Additionally, since 2005 I have forensically examined hundreds of cellular telephones and mobile computing devices, using multiple hardware and software data extraction solutions. I currently own and utilize the Cellebrite UFED Ultimate Touch2 / 4PC data extraction devices, as well as Oxygen Forensic Detective v9 software and Katana's Lantern v4 software.

08/29/16 – 08/31/16

Attended the 3 day international training conference of the High Technology Crime Investigation Association (HTCIA) in Las Vegas, Nevada. This conference covered new forensic technology, software and hardware, as well as emerging digital forensic techniques.

05/23/16 – 05/26/16

Attended the 4 day Computer Enterprise and Investigations Conference (CEIC) training conference, for advanced users of the EnCase computer forensic software, put on by Guidance Software (EnCase) in Las Vegas, Nevada.

02/22/16 – 02/23/16

Attended a 2 day certification class for BlackLight tools (Certified BlackLight Examiner), put on by BlackBag Technologies in San Jose, California.

10/23/15

Completed a 4 hour on-line Oxygen Forensic user certification class, put on by PATC (Public Agency Training Council).

08/19/14 – 09/18/14

Completed a 30 hour on-line Advanced Smartphone Forensics (FOR585) class, put on by the SANS Institute.

07/28/14 – 08/01/14

Attended a 5 day certification class for Cellebrite's UFED (Universal Forensic Extraction Device) Logical Operator/Physical Analyzer cellphone tool, put on by H-11 Digital Forensics in Los Angeles, California.

05/19/14 – 05/22/14

Attended the 4 day Computer Enterprise and Investigations Conference (CEIC) training conference, for advanced users of the EnCase computer forensic software, put on by Guidance Software (EnCase) in Las Vegas, Nevada.

09/09/13 – 09/11/13

Attended the 3 day international training conference of the High Technology Crime Investigation Association (HTCIA) in Las Vegas, Nevada. This conference covered new forensic technology, software and hardware, as well as emerging digital forensic techniques.

10/22/12 – 10/24/12

Attended a 3 day certification course for the Lantern 2 (iOS/OSX) forensic tool, put on by Katana Forensics in Los Angeles, California. This software specializes in data acquisition and analysis of Apple digital devices.

05/21/12 – 05/24/12

Attended the 4 day Computer Enterprise and Investigations Conference (CEIC) training conference, for advanced users of the EnCase computer forensic software, put on by Guidance Software (EnCase) in Las Vegas, Nevada.

05/08/12 – 05/10/12

Attended the 3 day Access Data User's Conference (ADUC) training conference, for advanced users of the Access Data's FTK computer forensic software, put on by Access Data in Las Vegas, Nevada.

09/12/11 – 09/14/11

Attended the 3 day international training conference of the High Technology Crime Investigation Association (HTCIA) in Indian Wells, California. This conference covered new forensic technology, software and hardware, as well as emerging digital forensic techniques.

05/24/10 – 05/27/10

Attended the 4 day Computer Enterprise and Investigations Conference (CEIC) training conference, for advanced users of the EnCase computer forensic software, put on by Guidance Software (EnCase) in Las Vegas, Nevada.

08/24/10 – 08/26/10

Attended the 3 day international training conference of the High Technology Crime Investigation Association (HTCIA) in South Lake Tahoe, California. This conference covered new forensic technology, software and hardware, as well as emerging digital forensic techniques.

06/01/09 – 06/12/09

Attended a 2 week A+ certification preparation course, put on by Total Seminars and hosted by the FBI at the Chicago RCFL.

11/17/08

Attended a one day Cellular forensics training class, put on by Susteen and hosted by the Orange County Sheriff's Department Training Facility in Orange. The class detailed the use of DataPilot Secure View for cell phone examination.

07/07/08 – 07/11/08

Attended a five day Macintosh Forensics course, put on by Black Bag Forensics and hosted at the Los Angeles/Orange/Ventura County High Tech Task Force facility in Santa Fe Springs. The 40 hour course consisted of Apple Macintosh computer forensic examination utilizing Black Bag Forensic suite of tools.

01/07/08 – 01/11/08

Attended a five day Network Forensic class, put on by the California Department of Justice and hosted at the Huntington Beach Police Department. The 40 hour course consisted of computer network protocols, vulnerabilities, and the investigation of computer intrusion cases.

09/24/07 – 09/28/07

Attended a week long Macintosh Forensics training course put on by Phoenix Data Group (Steve Whalen), hosted by the OCDA in Santa Ana, California.

08/27/07 – 08/29/07

Attended a three day Wireless Security Assessment (WLSAT) class, put on by the Hot Labs group in Santa Ana, California. The 24 hour course consisted of wireless computer network protocols, vulnerabilities and the investigation of wireless computer intrusion cases.

08-09-07

Attended a half day Wireless Security seminar, put on by the AirDefense security firm in Los Angeles, California. The seminar highlighted wireless security issues and methods to address them.

04/24/07 – 04/27/07

Attended a three day Access Data Applied Decryption course, put on by Access Data in Phoenix, Arizona. The course consisted of training in the use of Access Data's PRTK (Password Recovery Tool Kit) and DNA (Distributed Network Attack) software for encrypted file recovery.

01/23/07 – 01/25/07

Attended a three day Access Data Boot Camp, put on by the manufacturer of FTK (Forensic Tool Kit) in El Segundo, Ca. The course consisted of training in the use of the FTK forensic software, FTK Imager, PRTK (Password Recovery Tool Kit) and Registry Viewer.

11/16/06

Attended a half-day training course on MacForensic Lab forensic software, put on by the manufacturer, SubrosaSoft, in Huntington Beach, Ca. The course consisted of an overview of the Macintosh based computer forensic tool.

07/10/06 – 07/14/06

Attended a 1 week training course on Advanced Data Recovery and Analysis (ADRA), put on by the National White Collar Crime Center (NW3C) in Huntington Beach, Ca. The course consisted of data issues and forensic issues specifically related to the Windows NT operating system.

04/24/06 – 05/05/06

Attended a 2 week training course put on by IACIS (International Association of Computer Investigative Specialists) in Orlando, Florida. This training seminar deals with all aspects of digital forensics (utilizing MS-DOS 'Diskedit' through several automated tools) and prepares the student for a year long testing process in non-software specific digital evidence recovery.

11/14/05 – 11/18/05

Attended a 1 week training course put on by Guidance Software (EnCase) in Pasadena, California. This course was for advanced users of the EnCase computer forensic software and covered all aspects of version 5.

09/19/05 – 09/23/05

Attended a 1 week training course put on by Mobile Forensics Training, in Carlsbad, California. This training involved all aspects of cellular telephone data recovery, using open source software tools and vendor provided software tools.

08/29/05 – 08/31/05

Attended a 3 day conference of the International High Technology Crime Investigation Association (HTCIA) in Monterey, California. This conference covered new forensic technology, software and hardware, as well as training in emerging digital forensic techniques.

05/23/05 – 05/27/05

Attended a 1 week training course put on by the National District Attorneys Association / American Prosecutors Research Institute (NDAA/APRI) in Burlington, Vermont. This training, the Multidisciplinary Investigation and Prosecution of Computer-Facilitated Child Sexual Exploitation, involves a prosecutor, investigator and computer forensic examiner from the same jurisdiction teaming up to investigate and prosecute child exploitation cases.

05/27/04

Attended a one day Intellectual Property Criminal Enforcement Seminar, put on by the Los Angeles County District Attorney's Office and the United States Secret Service in Los Angeles. The seminar dealt with specific issues related to Intellectual Property, Movie and Recording rights & copyright laws.

05/17/04 – 05/20/04

Attended a 4 day training course for Advanced Data Recovery and Analysis (ADRA), put on by the National White Collar Crime Center (NW3C) in Santa Ana, Ca. The course dealt specifically with using version 8 of ILook forensic software.

01/26/04 – 02/06/04

Attended a 2 week training course on advanced computer forensics for the investigator, put on by the California Department of Justice in Orange. The course consisted of issues specific to advanced computer forensics as well as a

review of the Encase version 4 software, used as a forensic platform. In addition, each student built and maintained their forensic computer in the class.

09/17/03 – 09/18/03

Attended a 2 day training course on Local Area Networks Investigation, put on by the High Tech Crime Institute in Los Angeles. The course consisted of issues related specifically to both wired and wireless computer network investigations.

03/10/03 – 03/13/03

Attended a four day training course on Advanced Data Recovery and Analysis (ADRA), put on by the National White Collar Crime Center (NW3C) in Santa Ana, Ca. The course consisted of data issues and forensic issues specifically related to the Windows NT operating system.

01/14/03

Attended a 1 day computer investigation class at the Regional Computer Forensic Laboratory (RCFL) in San Diego. The class covered a review of basic computer investigation issues.

09/10/01 – 09/13/01

Attended the 4 day High Technology Crime Investigation Association international conference, in Long Beach, California. The conference consisted of numerous lectures and lab sessions related to high technology crime investigation and computer forensics.

10/30/00 – 11/02/00

Attended a 32 hour training course, in Pasadena, put on by the developer of the Encase computer forensic software program (Windows based forensics). This course covered all aspects of using the software in a law enforcement environment.

03/06/00 – 03/10/00

Attended a 40 hour course, in Ontario, put on by the California Department of Justice. This course covered basic "High Technology and Computer Crime Investigation".

09/08/99 – 09/10/99

Attended a 24 hour course, in Sacramento, put on by SEARCH (The National Consortium for Justice Information and Statistics). This course covered "The Seizure and Examination of Microcomputers" mainly from a DOS environment.

06/14/99 – 06/17/99

Attended a 32 hour course, in Santa Ana, put on by the California Department of Justice. This course covered "Investigation of Internet Crimes".

04/19/99 – 04/23/99

Attended a 36 hour course, in Newport Beach, put on by the National White Collar Crime Center. This course, known as CyberCop 101, covered “Basic Data Recovery and Analysis” mainly from a DOS environment.

11/02/98 – 11/04/98

Attended the 3 day High Technology Crime Investigation Association international conference, in Myrtle Beach, South Carolina. The conference consisted of numerous lectures and lab sessions related to high technology crime investigation and computer forensics.

09/17/98

Attended a one day seminar, in Long Beach, put on by the U.S. Customs Service. This seminar covered issues of computer investigations and computer forensics.

10/21/97 – 10/24/97

Attended a 4 day conference, in San Diego, put on by the Naval Criminal Investigative Service. This conference consisted of numerous lectures related to high technology crime investigation.

COURT TESTIMONY

I have testified over four dozen times within the California Superior Court system, as well as in U.S. Federal Court, and have been recognized as a digital forensic expert since 2001.

January 31, 2017

Sacramento Superior Court, for an intellectual property theft matter. Testified for the defense in a court trial.

November 11, 2016

Deposition taken in an intellectual property theft matter. Testified for the defense.

November 02, 2016

Los Angeles Superior Court, in Pomona, for a child pornography matter. Testified for the defense in a pretrial motion.

September 28, 2016

Orange County Superior Court, for a probation revocation hearing. Testified for the defense.

April 26, 2016

San Bernardino County Superior Court, for a family law matter (continued).

April 21, 2016

San Bernardino County Superior Court, for a family law matter.

November 3, 2015

Los Angeles County Superior Court, in Burbank, for a wrongful death matter. Testified for the plaintiff in a jury trial.

October 29, 2015

Orange County Superior Court (Central Justice Center), for a child pornography matter. Testified for the defense in a jury trial.

October 27, 2015

United States Federal Court, in West Palm Beach, Florida, for an employment law matter. Testified for the plaintiff in a court trial.

August 28, 2015

Deposition taken in a wrongful death matter. Testified for the plaintiff.

May 20, 2015

Los Angeles Superior Court, in El Monte, for a child pornography matter. Testified for the defense in a jury trial.

January 21, 2015

Sacramento Superior Court, for a computer data theft matter. Testified for the prosecution in a jury trial.

October 15, 2014

Los Angeles County Superior Court, in Pomona, for a child pornography matter. Testified for the prosecution in a jury trial.

July 15, 2014

Deposition taken in a civil litigation matter.

November 11, 2013

Testimony given in an employment law matter. Testified for the plaintiff (City of Garden Grove).

October 04, 2013

Deposition taken in a civil litigation matter.

August 27, 2013

Deposition taken in a civil litigation matter.

July 18, 2013

Testimony given at the Anaheim Union High School District, in an administrative law matter. Testified for the defense.

January 14, 2013

Orange County Superior Court Central Justice Center, for a family law matter.

October 05, 2012

Orange County Superior Court Central Justice Center, for a 487 CPC jury trial.

July 15, 2011 and July 18, 2011

Orange County Superior Court Central Justice Center, for a 288(a) CPC post-conviction motion.

February 10, 2011

Orange County Superior Court Central Justice Center, for a 187 CPC jury trial.

April 26, 2010 through April 29, 2010

Orange County Superior Court Central Justice Center, for a 288(a) CPC evidence suppression hearing and jury trial.

April 19, 2010

Orange County Superior Court Central Justice Center, for a 288(a) CPC jury trial.

April 07, 2010 and April 08, 2010

Orange County Superior Court Central Justice Center, for a 288(a) CPC evidence suppression hearing.

October 29, 2009 and November 02, 2009

Orange County Superior Court West Justice Center, for a 288(a) CPC evidence suppression hearing.

July 21, 2009

Orange County Superior Court Central Justice Center, for a 288(a) CPC evidence suppression hearing.

February 23 and 26, 2009 and March 02, 2009

Orange County Superior Court Central Justice Center, for a 487 CPC jury trial.

October 31, 2008

Orange County Superior Court, Central Justice Center, for a 314 CPC preliminary hearing.

April 24, 2008

Orange County Superior Court, Central Justice Center, for a 646.9 CPC jury trial.

February 01, 2008

Orange County Superior Court, Harbor Justice Center, for a 288(a) CPC preliminary hearing.

April 23, 2007

Orange County Superior Court, Central Justice Center, for a 288(a) / 311.11 CPC jury trial.

January 23, 2007
Orange County Superior Court, Harbor Justice Center, for an evidence suppression hearing.

May 25, 2006
Orange County Grand Jury.

April 7, 2006
Orange County Superior Court, Central Justice Center, for an 11379 H&S hearing.

March 13-14, 2006
Orange County Superior Court, Central Justice Center, for a 311.11 CPC jury trial.

October 3, 2005
Orange County Grand Jury.

September 8, 2005
Orange County Superior Court, North Justice Center, for a 211 CPC preliminary hearing.

July 12, 2005
Orange County Superior Court, Harbor Justice Center, for a 647(k)(2) CPC jury trial.

June 29-30, 2005
Orange County Superior Court, Central Justice Center, for a 311.11 CPC jury trial.

May 11-12, 2005
Orange County Superior Court, Central Justice Center, for a 470 CPC jury trial.

January 26, 2005
Orange County Superior Court, Harbor Justice Center, for a 470 / 530.5 CPC jury trial.

April 14, 2004
Orange County Superior Court, Central Justice Center, for a 288(a) CPC trial.

January 05, 2004
Orange County Superior Court, Central Justice Center, for a 288 / 311.11 CPC preliminary hearing.

December 22, 2003
Orange County Superior Court, Central Justice Center, for a 288(a) CPC preliminary hearing.

December 15, 2003
Orange County Superior Court, Central Justice Center, for a 487 CPC Jury trial.

October 29, 2003
Orange County Superior Court, Central Justice Center, for a 288(a) CPC Jury trial.

July 10, 2003
Orange County Superior Court, Central Justice Center, for a 241 / 289 CPC Court trial.

February 10, 2003
Orange County Superior Court, Central Justice Center, for a 487 CPC preliminary hearing.

November 01, 2001
Orange County Superior Court, Central Justice Center, for a 288(a) / 311.11 CPC trial.

October 31, 2001
Orange County Superior Court, West Justice Center, for a 288(a) / 311.11 CPC trial.

June, 2001
Orange County Superior Court, Central Justice Center, for a misdemeanor 311.11 CPC trial.

May 18, 2001
Orange County Superior Court, Harbor Justice Center, for a preliminary hearing on a 311.11 CPC charge.

April 18, 2001
Orange County Superior Court, West Justice Center, for a preliminary hearing on a 311.11 PC / 470 CPC charge.

March 07-08, 2001
Orange County Superior Court, Harbor Justice Center, for a preliminary hearing on a 311.11 CPC charge.

CONTACT INFORMATION

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