Dean Boyer

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Metadata Forensics LLC
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Digital Forensic Examiner

Summary of Qualifications

- Master of Science, University College of Dublin in Forensic Computing and Cybercrime Investigation.
- Cellphone mapping and Analysis
- Vehicle crash data module analysis
- Cellebrite Certified Operator CCO - Cellebrite Certified Physical Analyst CCPA
- Completed RCMP Forensics Understudy Program
- Guest Lecturer at CPC for Facebook Forensics IEAC Course
- Certified Microsoft Systems Engineer for Windows 2000
- Certified Microsoft Systems Administrator for Windows 2000
- Masters Certificate in Project Management
- Fluency in French
- Computer Forensics Examiner CPC
- Internet Evidence Analysis CPC
- Cell Phone Seizure and Analysis CPC
- Network Investigative Techniques CPC

- **Declared expert witness in Forensic Methodology and Data Interpretation**
  R v Kelly, Judge Walsh, 26 Nov 2013 (Luring) - R v Mills, Judge Orr, 17 June 2014 (Luring)
  R v Kaulback, Judge Harris, 15 Jan 2019 (Luring)

- **Declared expert witness in Forensic Methodology, Data Interpretation, and Internet Evidence Analysis**
  R v White, Judge Linehan, 06 Aug 2015 (CP)

- **Declared expert witness in Forensic Methodology, Data Interpretation and Cell Phone Seizure and Analysis**
  R v Reardon, Judge Linehan, 03 July 2014
  R v Noftall, Judge Pike, 15 Feb 2016
  R v Farrell, Justice O'Brien, 28 Nov 2021

- **Declared expert witness in Supreme Court for Forensic Methodology, Data Interpretation and Cell Phone Seizure and Analysis**
  R v Murrin, Justice Thompson, 10 Oct 2016 - R v Cleary, Justice Burrage, 13 Mar 2017
  R v Barrett, Justice Khaladkar, 14 Feb 2018 (CP) - R v Linehan, Judge Khaladkar, 1 Mar 2018
  R v Barrett, Justice McGrath, 2 June 2021 (CP)

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Career Highlights

Metadata Forensics, Richmond VA   **2022 – Present**
Digital Forensics Examiner

Providing thorough and accurate digital investigation services in both civil and criminal settings using state of the art technologies and forensic science techniques to conduct sound digital examinations, collect and document all pertinent relevant information, maintain chain of custody, and draft detailed reports of findings of examination.

Royal Canadian Mounted Police Integrated   **2017-2021**
ICE Unit (IICE) formerly (CFSEU)
Digital Forensic Examiner

Provide detailed and accurate forensic examinations of electronic devices while working as part of a provincial team of RCMP and RNC officers dedicated to working cases related to Internet Crimes against Children and Narcotics investigations

Houston Forensic Science Center   **2016-2017**
Digital Forensic Analyst
Provided detailed and accurate forensic examinations of electronic devices, seized, or obtained by investigators in relation to criminal investigations.

Royal Newfoundland Constabulary and Combined Forces   **2009-2016**
Special Enforcement Unit (CFSEU)
Computer Forensics Unit Examiner

Provided detailed and accurate forensic examinations of electronic devices, seized, or obtained by investigators in relation to criminal investigations.

Canadian Forces (CFB) Kingston   **2008-2009**
Electronic Counter Measures Section Supervisor

Canadian Forces (CFS) Leitrim   **2007-2008**
Computer Forensic Team

   Member of Canadian Forces computer forensic unit, responsible for office stand-up which included designing forensic processes and methodologies as well as forensic examinations of secret and top-secret equipment.

Canadian Forces Station (CFS) Leitrim   **2005-2007**
Active Network Security Team

   Member of Active Network Security Team, which provided a realistic and comprehensive analysis of computer security for the client network, responsible for exploiting vulnerabilities through active penetration attempts.

Canadian Forces Station (CFS) Leitrim   **2002-2005**
Information Systems Network Manger

   Responsible for maintaining all classified and unclassified Local Area Networks in CFS Leitrim, Detachments from Gander, Masset and CFS Alert. Trained and managed a team of 10 personnel, who quickly identified and resolved critical problems.

Education and Courses

CYBER5W Digital Forensic Analyst Course   **Online 2023**
An online course designed to expand the knowledge of digital forensic examiners. This course provides fundamentals and understanding using various forensic tools for reporting and examination.

SQLite Forensics with Belkasoft   **Online 2023**
An online course designed for Digital Forensic examiners and how to extract data from SQL databases.

Hawk Analytics Cellular Mapping and Analysis   **Online 2022**
A weeklong course focusing on the fundamental understanding of cellular telephone records, and how to use them. The course provides practical training in the mapping and analysis of cell phone data records.

Phonelog Browser and BTS Tracker   **Online 2022**

A weeklong course focusing on the fundamental understanding of cellular telephone records, and how to use them. The course provides practical training in the mapping and analysis of cell phone and data records.

Bosch CDR tool Course   **Online 2022**

An online course bundle designed in how to use the Bosch crash data retrieval tool. the use of the tool, setup, operation and report examination.

MSc Forensic Computing and Cybercrime Investigation   **UCD 2019-2020**

An education program designed to provide high quality training and formal education. The program is two years online study with the requirement for onsite exams in Dublin. This program is delivered by experts who are leaders and mangers in law enforcement agencies and industry.

Cellebrite CCO, CCPA   **Halifax 2016**

This course focuses on the handling of mobile devices in forensically sound manner, training on components of UFED touch and UFED 4PC. Applying Cellebrite forensic methodology and conducting logical and advanced physical analysis of mobile devices. Verifying, validating and reporting findings.

X-Ways Forensics   **Toronto 2014/Vancouver 2017**

This course focuses on the proper and efficient usage of the X-Ways forensics software for application in environments of forensic IT and electronic evidence acquisition and examination, data recovery, and security

Network Investigative techniques   **CPC Ottawa 2013**

This course is designed to improve knowledge and skills to complete searches, seizures, and investigations of small, Windows based computer networks. WIFI architecture and network servers How to formulate forensically sound strategies and focus on investigative techniques, procedures, and methodologies applicable to the search, seizure, and investigation of networks.

Cell Phone Seizure and Analysis   **CPC Ottawa 2013**

This course is designed for police investigators to increase their knowledge and effectiveness in the collection, analysis and disclosure of information obtained from cell devices. And to learn best practices on how to seize and preserve evidence from cell phones.

Advanced Computer Forensics   **CPC Ottawa 2013**

This course is designed as a more advance examination of forensic artefacts from several specialized areas such as SQL Server. A focus on the Extended FAT files system which is an updated version of FAT designed for large removable media. Volume shadow copies and restore points which examine historical user activity. Analysis of Timeline models which can be used as a new analysis methodology.

Child Exploitation Tracking System C4All Training   **CPC Ottawa 2012**

This course is designed to provide forensic analysts with the knowledge to configure and use the Child Exploitation Tracking system and database to categorize images and videos of child sexual assault.

Configuring and Managing Windows 2008 Server   **St John's 2011**

Provides knowledge and skills that are required to manage accounts and resources, maintain server resources, monitor server performance, and safeguard data in a Microsoft Windows Server2008 and R2 environment.

Internet Evidence Analysis Course   **CPC Ottawa 2010**

This course provides the necessary skills to forensically examine computer systems for Internet artefact evidence created by various clients (applications) on a Microsoft Windows operating system. The most widely used clients for web browsers; email, instant messaging, and peer- to-peer are explored. Artefact evidence created by these various clients ranges from application settings, to log files, and files created because of application use.

Computer Forensics Examiner   **CPC Ottawa 2010**

This course is designed for investigators who must search, seize, and analyze potential digital evidence found on personal computer (PC) and other electronic devices. Through a combination of theory, demonstrations and hands-on exercises, a thorough understanding of underlying principles and advanced techniques used in computer forensic methodology.

Project Management Certificate from George Washington University   **Kingston 2007**
- Communication and Leadership in Project Mgmt.   CDI Ottawa 2005
- Project Management Applications   CDI Ottawa 2005
- Risk Management for Project Management   CDI Ottawa 2004
- Scheduling and Costs for Project Management   CDI Ottawa 2003
- Negotiation Skills for Project Management   CDI Ottawa 2003
- Managing IT Projects   CDI Ottawa 2002
- Systems Integration for Project Management   CDI Ottawa 2002