

MARC MAZZELLA

Digital Forensic Examiner – Metadata Forensics
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EMPLOYMENT

FERRUARY 2024 – PRESENT

DIGITAL FORENSIC EXAMINER, METADATA FORENSICS

Experienced and detail-oriented with a proven track record in investigating and analyzing digital evidence. Proficient in employing industry-standard forensic tools and methodologies to extract, preserve, and analyze data from various digital devices including computers, mobile phones, and storage media. Skilled in conducting thorough examinations to uncover evidence of various criminal activity, and other digital security incidents. Possessing strong analytical and problem-solving abilities, adept at presenting findings in clear and concise reports suitable for legal proceedings. Demonstrated expertise in adhering to chain of custody protocols and maintaining the integrity of digital evidence throughout the investigative process. Adept at collaborating with law enforcement agencies, legal teams, and other stakeholders to support investigations and ensure compliance with regulatory requirements. Dedicated to staying updated on emerging trends and technologies in digital forensics to effectively mitigate cyber threats and enhance investigative capabilities.

FERRUARY 2019 – FEBRUARY 2024

DETECTIVE, DIGITAL FORENSIC INVESTIGATOR, ARLINGTON COUNTY POLICE DEPARTMENT, DIGITAL FORENSICS UNIT

Conducts on average 200 examinations per year on hardware seized for state and federal criminal investigations, including mobile devices, cameras, flash drives, external hard drives, and Mac and Windows computers, laptops, and tablets. Uses Cellebrite, Axiom, EnCase, and other software to detect, recover, sort, and filter visible, hidden, and deleted data at the hex code and binary levels, comparing hash sets against a database of known evidence; manually examines, sorts, and analyzes direct and indirect evidence. Utilizes extensive computer experience to diagnose and troubleshoot issues arising during evidence examination and review for hardware and software. Produces comprehensive reports for detectives and prosecutors, marking up evidence with tags and pointers, and providing a written brief of overall findings, facts, trail of linked evidence, analysis, opinions, and recommendations on next steps for investigations.

SEPTEMBER 2019 – FEBRUARY 2024

SPECIAL DEPUTY U.S. MARSHAL, UNITED STATES MARSHAL SERVICE, EASTERN DISTRICT OF VIRGINIA, UNITED STATES SERVICE – NATIONAL CAPITAL REGION CYBER FRAUD TASK FORCE

Originally called the Washington Electronic Crimes Task Force. The task force is comprised of local, state, and federal law enforcement officers chartered to investigate federal criminal technology cases.

JUNE 1998 – FEBRUARY 2019

MASTER POLICE OFFICER, ARLINGTON COUNTY POLICE DEPARTMENT, OPERATIONS DIVISION

Served and protected the citizens and community of Arlington County, while enforcing state and local laws. Responded to calls for service, trained new officers, conducted criminal investigations, and testified in court cases.

JUNE 1995 – JUNE 1996

CRIMINAL JUSTICE COORDINATION ASSISTANT, VIRGINIA ADDICTION TECHNOLOGY TRAINING CENTER (VATTC)

Managed and updated the VATTC's website using HTML: and LINX. Coordinated and staffed field training in criminal justice and substance abuse. Cross-training Probation and Parole Offices, Substance Abuse Counselors and Community Service Boards members to remove communication barriers and improve interagency cooperation.

SEPTEMBER 1994 – DECEMBER 1994

COMPUTER TECHNICIAN, SOUTHERN POLICE EQUIPMENT

Programmed and monitored gun buyer information from Virginia State Police records and in-store database.

MAY 1993 – SEPTEMBER 1993

STUDENT LAB ASSISTANT, GEORGETOWN UNIVERSITY ACADEMIC COMPUTER CENTER

Administered Windows and Mac computers and printers across the university's network. Assisted the university community (students and faculty) with tech support troubleshooting involving hardware and software.

TRAINING

JANUARY 2023

NETWORK INTRUSION RESPONSE PROGRAM NATIONAL COMPUTER FORENSICS INSTITUTE, UNITED STATES SECRET SERVICE (HOOVER, AL)

A 3-week course which concentrated on how to effectively respond to a network intrusion incident including mitigation of the problem, collection of volatile data and intrusion investigation of a network-based crime.

JUNE 2022

ADVANCED MOBILE DEVICE EXAMINATION NATIONAL COMPUTER FORENSICS INSTITUTE, UNITED STATES SECRET SERVICE (HOOVER, AL)

A 7-day course designed to provide advanced training in mobile file systems, tracking histories and the seizure and evidence recovery of mobile devices. Advanced understanding of the tools necessary to analyze and document mobile device investigations.

JULY 2021 – AUGUST 2021

BASIC COMPUTER EVIDENCE RECOVERY TRAINING, NATIONAL COMPUTER FORENSICS INSTITUTE, UNITED STATES SECRET SERVICE (HOOVER, AL)

A five-week course in computer hardware, device imaging solutions, forensic analysis tools, legal issues and report generation. Emphasizes methodologies and techniques used during investigations involving digital evidence.

MAY 2021 – JUNE 2021

MACINTOSH FORENSIC TRAINING, NATIONAL COMPUTER FORENSICS INSTITUTE, UNITED STATES SECRET SERVICE (HOOVER, AL)

A 10-day course focused on Mac forensic data recovery topics, tools, and practices. Data recovery situations and solutions that may occur in a Mac forensic environment. Using various data recovery tools and techniques to identify and recover information of investigative relevance from Mac digital media. Reporting and presenting evidence found during a Mac forensics investigation.

OCTOBER 2019

ADVANCED DIGITAL FORENSIC ANALYSIS: MACOS, NATIONAL WHITE COLLAR CRIME CENTER

This course discussed various artifacts typically located in property lists and SQLite databases on MacOS-based computers, as well as taught how to perform forensic analysis on those machines. Hands-on writing basic SQL queries to analyze operating system artifacts that includes, but is not limited to, user login passwords, FaceTime®, messages, mail, contacts, calendars, reminders, notes, photos, Safari®, Google Chrome™, and Mozilla Firefox®.

OCTOBER 2019

INTERMEDIATE DIGITAL FORENSIC ANALYSIS: AUTOMATED FORENSIC TOOLS, NATIONAL WHITE COLLAR CRIME CENTER

This course focused on the use of different forensic tools to accomplish digital examinations. Discussed the methodology and specifics of each and how to use them to complement each other.

EDUCATION

MAY 1997

MASTER OF SCIENCE – CRIMINAL JUSTICE, VIRGINIA COMMONWEALTH UNIVERSITY

Evidence-based, comparative exploration of national and international criminal justice entities. Focused on the integration of a rehabilitative model into traditional forms of policing and justice systems.

MAY 1995

BACHELOR OF SCIENCE – CRIMINAL JUSTICE, VIRGINIA COMMONWEALTH UNIVERSITY

CERTIFICATIONS

NOVEMBER 2023

CERTIFIED CYBER CRIME EXAMINER (3CE), NATIONAL WHITE COLLAR CRIME CENTER

Demonstrated expertise in the application of best practices in digital forensic techniques to image, document, and report on forensically sound digital evidence.

FEBRUARY 2019

CERTIFIED CELLEBRITE PHYSICAL ANALYST (CCPA), CELLEBRITE LABS

An advanced certification for mobile device forensic analysis using Cellebrite's tools (UFED Physical Analyzer and UFED 4PC software) and methodology.

FEBRUARY 2019

CERTIFIED CELLEBRITE OPERATOR (CCO), CELLEBRITE LABS

Training on the installation, configuration and operation of Cellebrite's UFED 4PC and Physical Analyzer tools.

HONORS

2021

HONOR GUARD COMMANDER'S AWARD, ARLINGTON COUNTY POLICE DEPARTMENT

In recognition of outstanding dedication, support and commitment to the mission of the Arlington County Police Department's Honor Guard Team

2005

POLICE SERVICE AWARD FOR LEADERSHIP, ARLINGTON COUNTY POLICE DEPARTMENT

In recognition of outstanding leadership to the police department.

APRIL 2003

VALOR AWARD, ARLINGTON COUNTY POLICE DEPARTMENT

Awarded for actions above and beyond the call of duty. While working at as a patrol officer I discovered a house that was on fire. I entered the house without regard for personal safety to save an elderly woman resident.

