

Investigative Applications of Technology

With the proliferation of intelligent devices, the amount of investigative information readily available to today's investigators is increasing daily. Utilizing multiple technologies available in any investigation will corroborate data across different data sets, provide investigative leads, and potentially minimize scrutiny from defense experts. Students will learn the type of data available from various sources and how to analyze that data for evidence, additional leads, or sources of information. In addition, students will learn more about resources for gathering and analyzing data, potential legal issues, and demand requirements.

Course Topics Include:

- *Telephone Service Providers*
- *Cellular data- Call detail records/cell sites, historical location data, Pings/Pens, THID*
- *Forensic extractions from cellular devices*
- *IoT/wearable technologies*
- *Vehicles- modems and connected technologies, infotainment system extractions*
- *Wifi devices- war driving and other location information*
- *Apps and other connected programs- historical and intercepts*
- *Video- canvassing, recovery, preservation, and presentation*
- *LPRs- sources of data*
- *GPS- sources of data, use of devices*
- *Resources to assist investigators*
- *Legal considerations and legal demand requirements*
- *Use and testimony of collective intelligence and evidence and more...*

DATE: June 8, 2023

TIME: 12 PM to 2 PM EST/9 AM to 11 AM PST

LOCATION: Zoom Virtual Classroom

TUITION: \$95.00 (*Only credit cards will be accepted as payment for this course*)

REGISTRATION LINK: <https://homefrontprotect.com/InvAppTech060823>

INSTRUCTOR: Detective Steve Owens currently serves with the Lancaster City Police Dept in the Violent Crimes Unit and is also assigned as a Task Force Officer with the FBI. In 2016, in response to the increasing demand for evidence from various forms of electronic data and electronic surveillance, a position was created in the Criminal Investigations Division for a Detective to support investigations by acquiring multiple types of electronic evidence. Since then, Detective Owens's primary responsibility has been supporting investigators with acquiring the electronic evidence they need to advance and prosecute their cases. In addition, Detective Owens is tasked with gathering and disseminating intelligence from social media to support the overall mission of the Lancaster City Police and surrounding jurisdictions. Detective Owens holds both A and B certifications under Pennsylvania's Wiretap Act. He is a court-recognized expert in Cellular Telephone Records Analysis and Mapping in both the State and Federal court systems. Det. Owens is a trained Cellebrite Certified Operator and Cellebrite Physical Analyzer, conducting and analyzing cellular telephone extractions in his role. He has completed training with the FBI in cellular telephone mapping and the FBI Digital Imaging and Video Recovery Team (DIVRT).