

# **Digital Forensics Case Report**

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CYSE 407

December 5, 2025

Case Identifier: DF-2025-01364-USR

Case Investigator: Vincent Rechkemer

Identity of the Submitter: Jason Smith

Date of Receipt: December 1, 2025

### **Items for Examination:**

#### **Personal Laptop**

- Dell XPS 13 9310
- Serial Number: 9D8W4O9
- Color: Silver

#### **Cell Phone**

- Apple iPhone 15 Pro
- Serial Number: IG7V9DA5BQ1K
- Color: Black

### **Forensic Analysis**

#### **Background**

On December 1st, 2025, I received a search warrant from the Eastern District of Virginia. This search warrant allowed investigation on U.S Senator Bradley's phone and laptop for forensic analysis. Tools used in this investigation include:

- Sim Card Reader
- Oxygen Forensics Detective

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- Write-Blocker
- FTK Imager
- Hash Values

Once we gathered all the tools and search warrant, we were able to begin the examination. For the Dell XPS 13 9310, photographs were taken and everything was documented. In order to recover the laptop password, we used Oxygen Forensics Detective. A full forensic image was created of the laptop's internal drive with write-blockers being used to not tamper with the original data. In FTK Imager, we mounted this image and browsed the file system.

We committed a string search by using keyword searches including the words: poker, payment, consulting services, and Red Ralph. A graphics search was also performed to locate images for evidence. Lastly, attempted recovery of deleted emails and files was done to complete the investigation of the Dell XPS 13 9310. The recovered emails and data were verified using hash values ,MD5 and SHA256, and were securely stored.

Once the imaging process was complete, multiple email communications between RedRalph@gmail.com and Senator Bradley were found. Red Ralph emailed Senator Bradley to

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meet again at their “safe spot” to talk “consulting services”. Senator Bradley responded back to Red Ralph confirming the time and saying he looked forward to their visit. Also, several deleted zip files showed more collaboration between Senator Bradley and Red Ralph.

For the Apple iPhone 15 Pro, we used a password recovery tool to gain access. A forensic extraction was made using Oxygen Forensics Detective. A SIM card reader was used in order access calls and texts between Red Ralph and Senator Bradley to prevent any modifications to the original SIM. Keyword string searches were completed on Oxygen Forensics Detective with keyword searches including the words: poker, payment, consulting services, and Red Ralph. All data gathered was documented and securely stored.

On Senator Bradley’s Apple iPhone 15 Pro, he had a contact named “Red Ralph”. Their communications included a very important lunch meeting on 2/15/2025 to discuss “business”. Red Ralph told Senator Bradley this lunch would occur at a safe location where no one would know something was happening.

## **Conclusion**

### **Hardware**

The evidence obtained through a search warrant belonging to Senator Bradley has not been damaged or changed in anyway. A chain of custody was strictly followed to ensure the

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integrity of the evidence gathered. The hardware that was used on the Dell XPS 13 9310 was the write-blocker to protect the original drive. Also, on the Apple iPhone 15 Pro, the hardware used was a SIM card reader to access calls and texts to prevent any modifications to the original SIM.

### **Software**

The software that was used on the Dell XPS 13 9310 include: Oxygen Forensics Detective, hashing tools, and FTK Imager. Oxygen Forensics Detective allowed us to recover the password and handle the extracted data. The hashing tools helped ensure the integrity of the evidence gathered from the laptop. FTK Imager allowed us to mount and browse the forensic image we created. For the Apple iPhone 15 Pro, the software used was Oxygen Forensics Detective. By using Oxygen Forensics Detective, we were able to complete a forensic search including keyword searches across Senator Bradley's iPhone.

### **Evidence Includes**

Evidence gathered from Senator Bradley's iPhone showed he likely attended a lunch meeting with Red Ralph on 2/15/2025. Senator Bradley thanked Red Ralph for his brilliance and stated, "thing needs to stay quiet" through a text message. After their likely lunch meeting, evidence gathered showed they mainly communicated through emails. An email thread showed the two were discussing payment for "consulting services". Recovered zip files showed a

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spreadsheet created by Senator Bradley with payouts from each poker game he played. An email sent to Senator Bradley from Red Ralph said he received the “goods”. The evidence gathered from Senator Bradley’s laptop indicates collaboration with Red Ralph which might have included payouts to Russian officials, in an illegal poker operation.

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