

OBI Conference

Open Source Intelligence Techniques and the Dark Web

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Topics

- **Open Source Investigate Tools (Free)**
 - Common Practices
 - Case Examples
- **Investigative Resources (\$)**
 - Tool for classified ads
 - Comprehensive Background Vendors
- **The Dark Web**
 - Anonymity
 - TOR

Open Source Resources

Using the Internet as an Investigative Tool

- <https://inteltechniques.com/menu.html>
- <http://osintframework.com/>
- <https://www.toddington.com/resources/>
- <http://netbootcamp.org/fb/bookmark.html>

Open Source Resources

<https://inteltechniques.com/menu.html>

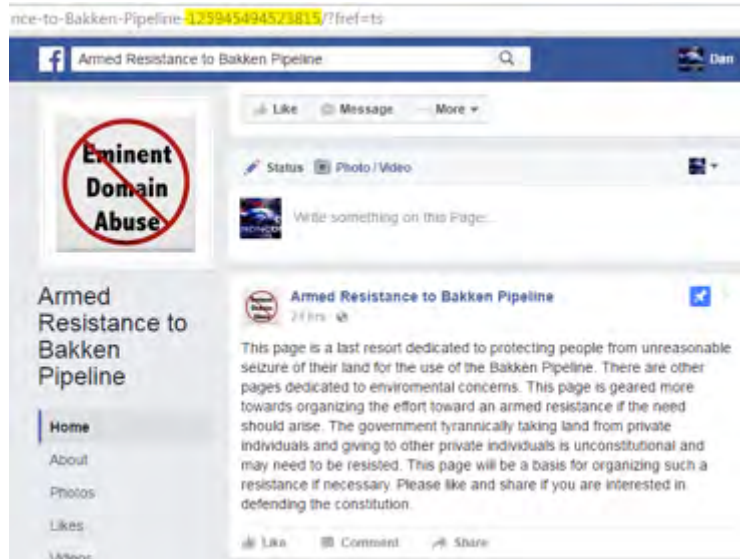
The screenshot displays the 'Custom Facebook Tools' web application. At the top, a navigation bar includes links for 'Online Training', 'Live Training', 'Privacy Training', 'Tools', 'Forum', 'Blog', 'Books', 'Bio', and 'Contact'. A dark sidebar on the left lists various categories: OSINT LINKS, FACEBOOK, TWITTER, SEARCH ENGINES, USER NAME, REAL NAME, EMAIL ADDRESS, TELEPHONE NUMBER, DOMAIN NAME, IP ADDRESS, DOCUMENTS, YOUTUBE, REVERSE IMAGE, REVERSE VIDEO, PASTEBINS, INSTAGRAM, SATELLITE VIEWS, and SOCIAL TRAFFIC.

The main content area is titled 'Custom Facebook Tools' and is divided into two primary sections:

- Search Target Profile:** This section contains a search bar and a list of tools, each with a 'GO' button and a description of the tool's function. The tools include:
 - Search by Email Address (Account by Email)
 - Search by Cell Phone (Account by Cell Phone)
 - Search by User Name (Displays User Number)
 - Search by Facebook User Number (Populate All)
 - Search by Facebook User Number (Displays Places Visited)
 - Search by Facebook User Number (Displays Recent Places Visited)
 - Search by Facebook User Number (Displays Places Checked In)
 - Search by Facebook User Number (Displays Places Liked)
 - Search by Facebook User Number (Displays Pages Liked)
 - Search by Facebook User Number (Displays Photos By User)
 - Search by Facebook User Number (Displays Photos Liked)
 - Search by Facebook User Number (Displays Photos Of-Tagged)
 - Search by Facebook User Number (Displays Photo Comments)
 - Search by Facebook User Number (Displays Apps Used)
 - Search by Facebook User Number (Displays Videos)
 - Search by Facebook User Number (Displays Videos Of User)
 - Search by Facebook User Number (Displays Videos By User)
 - Search by Facebook User Number (Displays Videos Liked)
 - Search by Facebook User Number (Displays Video Comments)
 - Search by Facebook User Number (Displays Event Invitations)
 - Search by Facebook User Number (Displays Events Attended)
 - Search by Facebook User Number (Displays Posts by User)
 - Search by Facebook User Number (Displays Post Comments)
- Locate Target Profile:** This section contains a list of search criteria, each with a 'GO' button. The criteria include:
 - People named...
 - People who work at...
 - People who worked at...
 - People who like...
 - People who live in...
 - People who lived in...
 - School attended...
 - People who visited...
 - People who live in... and like...
 - People who live in... birth year...
 - People who live in... and work at...
 - People who live in... and worked at...
 - People named... who live in...
 - People named... who lived in...
 - People named... who like...
 - People named... birth year...
 - People named... between age ... and...
 - People named... who work at...
 - People named... who worked at...
 - People who like... birth year...
 - People who like... and work at...
 - People who like... and worked at...

At the bottom of the 'Locate Target Profile' section, there is a 'Multiple Variables:' label.

Example: <https://www.facebook.com/Armed-Resistance-to-Bakken-Pipeline-125945494523815/>

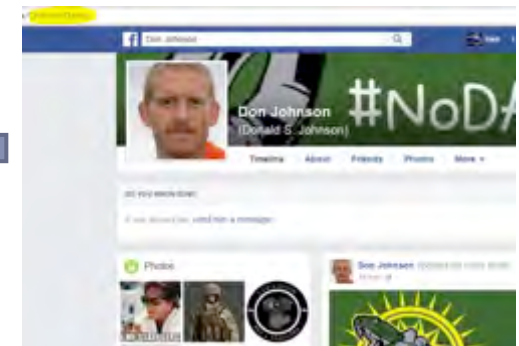


Detailed Search:

| | |
|--|----|
| Posts about.... | GO |
| Keywords.... | GO |
| People that visited (Page ID Number).... | GO |
| People that checked in to (Page ID Number).... | GO |
| 125945494523815 | GO |



| | |
|----------------------|-------------------------------------|
| OrstovDarry | GO (Displays User Number) |
| 100007056738923 | GO (Populate All) |
| Facebook User Number | GO (Populate All) |
| Facebook User Number | GO (Displays Places Visited) |
| Facebook User Number | GO (Displays Recent Places Visited) |
| Facebook User Number | GO (Displays Places Checked In) |



Open Source Resources

Search by employment:

https://www.facebook.com/search/str/*company*/pages-named/employer/pages/intersect/employees/present/intersect

Facebook search results for 'Iowa Supreme Court' showing employee profiles:

- Kathy Higginbotham (Kathy A...)**
Works at Iowa Supreme Court
Studied at Iowa State University '98
Lives in Des Moines, Iowa
- Jon Walker**
Applications Developer at Drake University
EDMS Business Analyst at Iowa Supreme Court - Iowa Supreme
Lives in Des Moines, Iowa
- Caroline Barrett**
Law Clerk at Iowa Supreme Court
Studied Law at The University of Iowa College of Law '15
Lives in Des Moines, Iowa
- Edward Mansfield**
Justice at Iowa Supreme Court
Studied at Harvard University '78
Lives in Des Moines, Iowa
- Michael Boal**
Judicial Law Clerk at Iowa Supreme Court
Studied at University of Nebraska-Lincoln College of Law '15
Lives in Des Moines, Iowa
- Thomas Story**
Law Clerk at Iowa Supreme Court
Listens to The Dirty Kids

Facebook search results for 'Iowa Division of Criminal Investigation - DCI' showing employee profiles:

- Rebecca Fengel Scherbring**
Works at Iowa Division of Criminal Investigation - DCI
Went to VILLISCA HIGH SCHOOL '94
Read Nicholas Sparks
- Joe Erion**
Special Agent II at Iowa Division of Criminal Investigation - DCI
Studied Business Administration at University of Northern Iowa '03
Lives in Farley, Iowa
- Traci Murano**
Criminalist at Iowa Division of Criminal Investigation - DCI
Went to Kellogg High School
Lives in Urbandale, Iowa
- Jennifer Gaffney**
Works at Iowa Division of Criminal Investigation - DCI
From Waukegan, Iowa
- Kelsey Rusbarsky**
Criminalist-drug identification unit at Iowa Division of Criminal Inv...
Lives in Des Moines, Iowa
Read Bible
- Charis Paulson**
Director at Iowa Division of Criminal Investigation - DCI
Lives in Des Moines, Iowa
Married to Dan Paulson
- Eric Parry**
Works at Iowa Division of Criminal Investigation - DCI

Beware of...

Doxing: Retrieving and publishing private personal identifying information online with malicious intent.

Doxing Examples

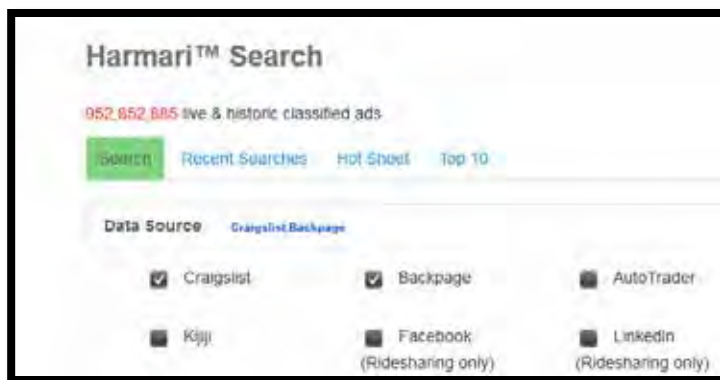
Release of:

- name
- age
- email
- address
- phone numbers
- photographs
- credit card info

Open Source Resources

- **Harmari**

- Engine tool scans through all listings/classifieds unscrambling variable texts and numbers into a standard format.
- Stores historic listings ensuring a thorough paper trail for the investigation.

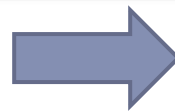


Harmari...

- Enter Target Phone #s
 - Or search by name, email address, userid, keyword, or area/location and date range

| Harmari Search Result Export | | | | | | | |
|------------------------------|---------------------|-------------|-------|--------------|----------------|----------------------|----------------------|
| Title | Phone | Date Posted | Price | Location | Category | Stored | Live Link |
| Antique Chair | 319-533-0[REDACTED] | 2015-05-16 | 50 | Fairfax | Furniture | link | link |
| 2 couches | 319-533-0[REDACTED] | 2015-05-16 | 200 | Fairfax | Furniture | link | link |
| Chair | 319-533-0[REDACTED] | 2015-05-16 | 50 | Fairfax | Antiques | link | link |
| Case (blown head gasket) | 319-533-0[REDACTED] | 2014-09-12 | 500 | Fairfax | Farm+garden | link | link |
| 1993 Honda Accord LX | 319-533-0[REDACTED] | 2016-04-04 | 2000 | Cedar Rapids | Autos(byowner) | link | link |

Unscrambles Phone Number



Call or text 3one9 533-zero [REDACTED]

Cash only !

No trades

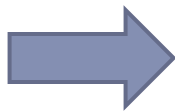
I DO NOT NEED HELP SELLING!

do NOT contact me with unsolicited services or offers

post id: 5523708430

posted: 2016-04-04 6:27pm

Retrieves Deleted/Historical Ads



Other Services...

 LexisNexis® |  Accurint

 SPOKEO

THOMSON REUTERS CLEAR

BLACK BOOK ONLINE.INFO
THE FREE PUBLIC RECORDS SEARCH SITE


 TransUnion™ |  TLOxp

peekyou

 INTELIOUS

 truthfinder

pipl

That'sThem 

 **ADVANCED BACKGROUND CHECKS**

SURFACE Web vs DEEP Web vs DARK Web

- **Surface** Web – anything that a search engine can find.
 - i.e. Google/Bing/Yahoo results
- **Deep** Web – anything that a search engine can not access.
 - About 96% of content on the web.
- **Dark** Web – a small portion of the Deep Web that has been intentionally hidden and is inaccessible through standard web browsers.

SURFACE WEB

Wikipedia Google Bing

DEEP WEB

Academic Information
Medical Records
Legal Documents
Scientific Reports
Subscription Information

Multilingual Databases
Conference Proceedings
Government Resources
Competitor Websites
Organization-specific
Repositories

DARK WEB

Illegal Information
TOR-Encrypted sites

Drug Trafficking sites
Private Communications

Dark Web...

A scope of who and what is located on the Dark Web*:

- Close to 2 million daily users of TOR alone
 - Worldwide; U.S. approximately 500k daily users
- Over 500,000 sites
 - Examples: chat rooms, discussion forums, blogs, marketplaces
- Over 8,000 illicit sites
 - Examples: dark markets – illicit goods and services offered for payment
 - Drugs, Guns, Child Pornography, Extremism, Counterfeiting, Violence.

*Figures are estimates and studies vary



Questions?...

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