Sentinel SAFE

Sentinel Tech Holding Corp / Eschel Hamel
http://www.senttech.com

ABSTRACT
It is frequently difficult to find and track Registered Sexual Offenders (RSOs) throughout the Internet. Social networks and online communities can be particularly vulnerable to their activity.

Sentinel SAFE is a continuously updated database of RSOs from all fifty states, the District of Columbia, and Guam. The database contains nearly 1 million RSO records including their known aliases. SAFE utilizes forensic techniques of investigation to aid in finding sexual predators lurking in online communities. It is a fully indexed and searchable database of all RSO records.

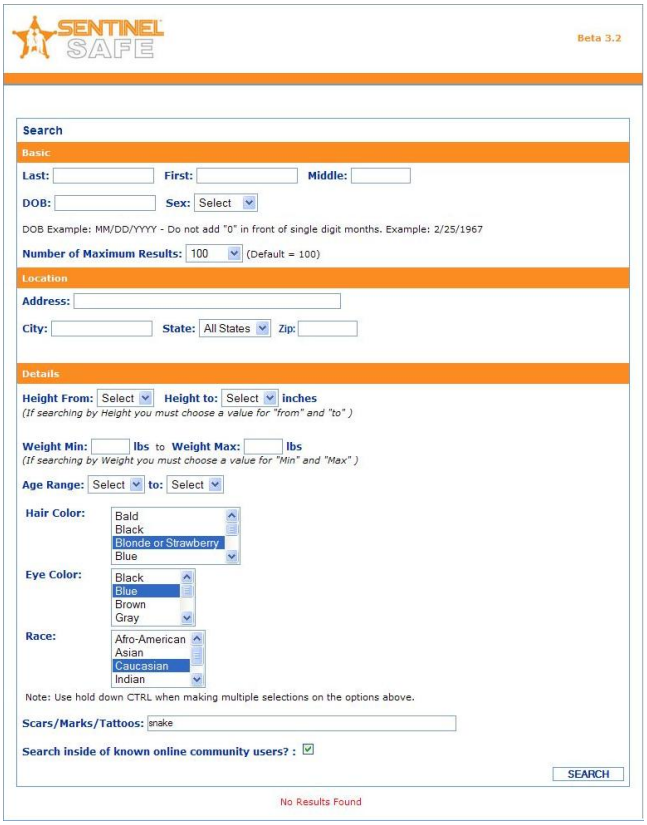
Keywords
Searching, filtering, identification, forensics, fuzzy logic, scoring algorithms, registered sexual offender, predator, social networks, dating websites, safety, and security

Functional Goals
☑ Limit harmful contact between adults and minors
☐ Limit harmful contact between minors
☐ Limit/prevent minors from accessing inappropriate content on the Internet
☐ Limit/prevent minors from creating inappropriate content on the Internet
☐ Limit the availability of illegal content on the Internet
☐ Prevent minors from accessing particular sites without parental consent
☑ Prevent harassment, unwanted solicitation, and bullying of minors on the Internet
☑ Other – Provide ability to websites to exclude certain dangerous individuals from enrolling or participating

PROBLEM INTRODUCTION
As has been cited frequently within the news recently, social networking sites have undergone a great deal of scrutiny for not doing more to police their members to ensure property safety and protection from predators. Part of this is due to the fact that the websites do not have the right tool to find and remove these individuals.

PROPOSED SOLUTION
Sentinel SAFE is an Internet-ready search tool which provides access to a constantly updated database of RSO data from throughout the country. Its users log in and have access to a detailed tool which provides them with extensive search capabilities to help them separate regular customers from those who may pose a threat to the community.

- The RSO records within the database are fully indexed and searchable
- Fuzzy searching logic is applied using forensic methods and analysis to enhance searching capabilities (e.g. birth date or ZIP code proximity)
- Scoring algorithms are created using deep data analysis which allows for scoring results based on subset matching giving the greatest possible number of potential matches.
- Screening Sentinel SAFE users can be done at time of initial login as well as periodically post-registration.
- Implementation Requirements
  - Depending on integration method
  - Knowledge of web services clients
  - Knowledge of data exporting and importing procedures.
- Sentinel SAFE has a full suite of accessibility options including web-based UI, web services API, full export and import capabilities.
- The following is a representation of the web-based UI:



Sentinel SAFE Search Form

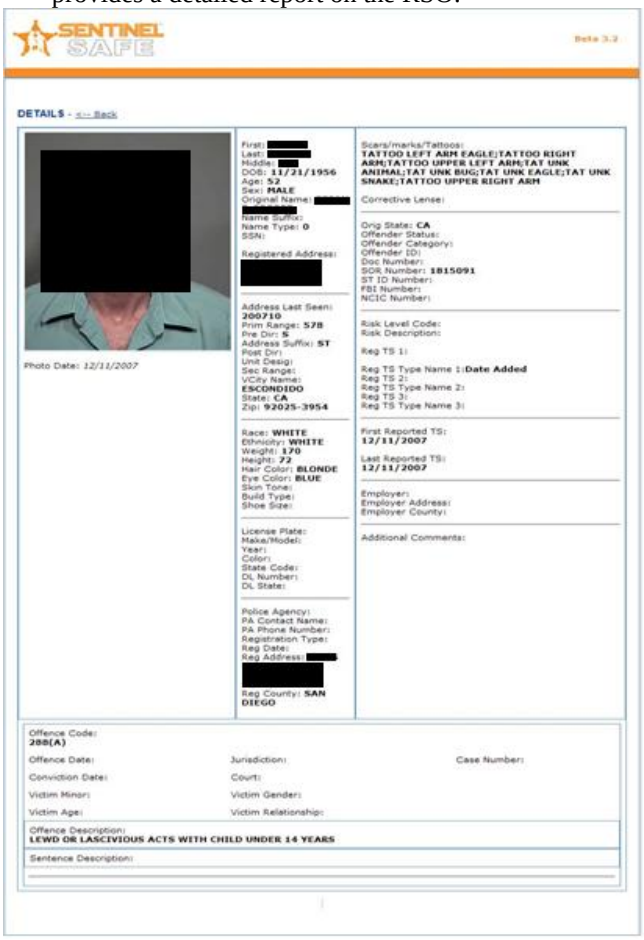
- SAFE utilizes forensic techniques of investigation to aid in finding sexual predators lurking in online communities, providing detailed criteria for targeted results (e.g., a Caucasian male with blonde hair, blue eyes, and a snake tattoo):

Sentinel SAFE Search Example

- Results from searches are displayed with photographs and background information:

Sentinel SAFE Search Results

- Clicking on a given offender within the search results provides a detailed report on the RSO:



Sentinel SAFE Detailed Results

- There is a social networking user adjudication process which provides verification in the event of false positives.
- Sentinel SAFE is currently used by social networks and online communities. In addition, the SAFE Search interface is utilized by the National Center for Missing and Exploited Children (NCMEC).
- Sentinel SAFE as successfully identified tens of thousands of RSOs lurking online.
- Implementation is easy and data is available via a web-based user interface, an API, or regular monthly feeds of the complete database.
- Technical Standards
    - Web Services
- Sentinel relies on Freedom of Information laws
- Sentinel SAFE is extremely viable within the United States, but has limited function outside the US borders due to privacy laws.

EXPERTISE

John Cardillo, Sentinel's CEO, is a former New York city Police office and is leading in the efforts on several levels to improve the safety and security of internet users, especially children who can be easy targets for sexual predators

Sentinel SAFE is currently used by social networks and online communities with a total membership of more than 300 million users worldwide. Additionally, it is currently utilized by the National Center for Missing and Exploited Children.

COMPANY OVERVIEW

Sentinel, the leader in online verification is dedicated to enabling safer social interaction on the Internet – more secure social networking, online dating, and e-marketplace experiences.

MORE INFORMATION

Sentinel is the premier provider of online safety and security services as well as the leading provider of Sexual Predator tracking and detection services. Sentinel is committed to promoting safety throughout the Internet and beyond. With its SAFE technology, Sentinel has positioned its products to cover identity-related security end-to-end.

CONTACT INFORMATION

Eschel Hamel
ehamel@senttech.com
(305) 599-6325
8550 NW 33rd St
Suite 100
Doral, Florida 33122
USA

CERTIFICATION

I certify that I have read and agree to the terms of the Internet Safety Technical Task Force Intellectual Property Policy.