Better Biz Me

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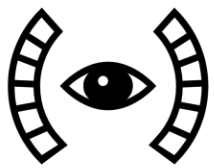
Crime Hunch

we reverse-engineer creative criminality



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*squaring intuition's circles for everyone*

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**The slide-deck that follows is a historical document, which originally formed the basis of a submission to a Liverpool investor corporation, and then – in an expanded and enhanced format – as the driver of our second attempt to achieve a place on the Berkeley SkyDeck accelerator.**

**Most of it, therefore, does date from 2020.**

**Two new connected iterations can now be found in two online whitepapers:**

**https://citizenhunch.com**

**https://crimehunch.com**

**Finally, one further whitepaper describes how our new startup project intends to support the above projects:**

**https://omiwan.com**

# Crime Hunch

FROM HUNCH TO CONVICTION: PROVE EVERYTHING YOU KNOW

# Where Crime Hunch Operates

Crime Hunch has been scoped and created to deliver software and hardware that allows three types of criminal activity to be more efficiently identified, processed, and stopped.

It assesses, identifies, and prevents these real-world problems:

1. traditional crime (including national security crime) - from the most trivial of misdemeanors right up to felonies of the very worst: fraud, corporate negligence, mafia and organized crime, state-sponsored criminal activity, terrorism, etc.;
2. legal crime (societal harm, otherwise known as zemiology); and
3. neo-crime (crimes which cannot currently be anticipated or detected on the basis of existing or past events and experiences).

It does this by capturing and validating crime hunches. No one in security and law-enforcement denies the value of having a hunch. We now propose making it easy for everyone to share such hunches by using three technologies to capture, validate, and upskill everyone's ability to think "hunchfully".

Mil Williams, Co-Founder Of The Crime Hunch Project

# The Problem We Wish To Focus On

Next, the real-world problem we have identified.

Criminal justice process for misdemeanors is slow: the system is blocked – clogged up, in fact – by cases law-enforcement already has plenty of "hunch data" about, but cannot currently evidence efficiently.

- As a result, major crimes do not have enough traditional resources dedicated to them: public confidence is shaken because powerful criminals escape criminal justice. This means law-enforcement's reputation – and confidence in itself – suffers.
- Bogged down by paperwork, process, weighty procedures and operational challenges, including media coverage, both new and existing law-enforcement officers sometimes struggle – in hugely challenging street and operational circumstances – to maintain the civic and criminal dignity they, and their professional training, diligently demand of them.

# The Two Elements To Our Solution

**1) The Software Systems**

Crime Hunch MVP first stage:

8 months

- Input – hunch capture (user input); publicly held legal documentation; client-located databases on criminal activity, etc.
- Output – legal admissibility of hunches (high-level domain expertise); security *and* safety (tougher on real crime, winning hearts and minds)

**2) The Wearable Solutions**

Wearable integration with Crime Hunch MVP, in parallel with first stage:

12-18 months minimum

- Input – first stage simple mobile app interface with an anomaly detection platform: sentiment, visual, and aural inputs; second stage dedicated wearables
- Output – law-enforcement recommendations; citizen advice as per existing "Neighborhood Watch"-style communities; knowledge gathering and extraction

# 1) The Software Systems

The goal of Crime Hunch is to use AI to enhance intuitive thinking – i.e. hunches – in the space of US law-enforcement, in an entirely ethical manner, in order to remove petty and lower-level misdemeanors rapidly from the criminal justice system. This will then release more traditional resources for the bigger crimes and criminals.

We believe hunches are the bread and butter of a vast majority of law-enforcement interactions.

With the SkyDeck submission, we aim to build and deliver what will become the core IP of the project:

1. This is a platform – a software MVP – to document and validate law-enforcement hunches (effectively, high-level domain expertise in the law-enforcement sector), the validation of which will be based on –
    1. a local and client-owned repository of historical and current case-relevant data; and
    2. publicly available databases of legal documents, laws, and precedents.
2. The powering technology is natural language processing (NLP), recommendation systems, and page indexing (search engine technologies).
3. Timeframe for MVP delivery: 8-9 months from start to finish.

# 2) The Wearable Solutions We Want To Scope In Collaboration With Clients

With the SkyDeck submission, we also aim to begin a second-stage process of conceptualizing, building, and delivering smart hardware to augment decision-making for:

- experienced, and
- recently qualified law-enforcement officers,
- using the same technology developed in the software MVP.
- Timeframe for completion: 12 to 18 months.

# Summary Of The Software Mix

In summary, it is proposed that three base technologies will be used, ranging from – for our purposes – that which is most in need of further R&D to that which is least in need:

1. Natural language processing (NLP).
2. Recommendation systems.
3. Page indexing (more commonly known as search engines).

# The Validation & Upskilling Of Intuitive Thinking & Hunches: How To Deliver An Informed Discretion

In developing the new, we must always start from an existing piece of technology. This allows us to maintain familiarity in end-user operation, and reliability in delivery and cost-effectiveness.

The value-add comes in how we leverage these aspects in a new domain/use-case. In our case, in order to:

1. save time in the law-enforcement and criminal justice sectors, by
2. augmenting both our capacity to validate existing human intuition, hunches, and high-level domain expertise, as well as
3. proposing the radical upskilling over time of serving officers, investigators, lawyers, witnesses and even victims themselves in all the above, where an informed, highly flexible, and supremely efficient discretion becomes a possibility and a reality.

# Our Intuition Capture & Validation Software's Integration With Wearables

Building on the first use-case, the software MVP, built in 8-9 months, we suggest a parallel - but slightly longer - timeframe of smart hardware for law-enforcement officers, in 12 to 18 months.

Here, we suggest making use of existing technologies:

- computer vision and NLP,
- in combination with the technology from the previous use-case,
- to identify - in real-time - responses an officer could take to defuse/resolve a live scenario, as well as
- document evidence while a scenario unfolds.

We underline the delivery of the software MVP is NOT contingent on the hardware mentioned going ahead as a connected project. The software MVP has sufficient value in itself to deliver a radical game-change around how hunches and other high-level domain expertise are validated and taken account of much sooner by criminal justice systems, particularly in the US.

An analogous situation would be when audio and video evidence, given the right circumstances of capture and validation, became admissible evidence for many criminal justice systems.

We are looking to engineer the same acceptance now for law-enforcement hunches and high-level domain expertise & intuition.

# Summarizing Crime Hunch: How To Become Tougher On Crime By Winning Local Hearts & Minds

We propose a new paradigm:

- We suggest the Crime Hunch project NOT be an alternative to the philosophies, strategies, and tactics of total surveillance.
- Instead, we believe Crime Hunch deserves to become the new total surveillance: that is to say, its collaborative, societally acceptable, ethical and efficient reworking.
- Levering the natural intuition and high-level domain expertise of supremely professional law-enforcement officers, investigators, and legal counsels, we argue an effective and natural collaboration on the part of witnesses and even victims of crime can replace an involuntary subjection to a perhaps unintentionally pervasive criminal justice and security.

# Crime Hunch: a win-win approach to total surveillance

- Fall in love with your home and your neighborhood.
- Fall in love with a safety for all.

# Our Values

1. We believe in **sustaining and expanding human intuition in partnership and ongoing dialogue with machines**, to the expense of neither.
2. We believe in **ethical and inclusive collaborations**.
3. We believe in **choice-full inputs and transparent outputs, where we only use systems whose "why" we can identify clearly**, to both our satisfaction and that of our clients.
4. We believe in the **permanent and ongoing creative tensions between gender, belief, and ethnic inclusiveness on the one hand and always efficient and bottom-line sensitive working methods on the other**.

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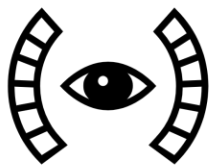

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