Designing Police Software without Bias

Hannelore McElheny | Product Design Lead, Mark43
MORE DATA ≠ GOOD DATA
QUANTIFIABLE

APPLIED EVENLY

SPEED
Person Cautions
in Mark43
<table>
<thead>
<tr>
<th>IDENTIFICATION</th>
<th>TRUE NAME</th>
<th>JOHN PETER DOE</th>
</tr>
</thead>
<tbody>
<tr>
<td>NICKNAME</td>
<td>Johnny, Jack</td>
<td></td>
</tr>
<tr>
<td>BIRTH INFO</td>
<td>05/22/1980 (DOB)</td>
<td>Charming, CA</td>
</tr>
<tr>
<td></td>
<td></td>
<td>(City, ST)</td>
</tr>
<tr>
<td>SEX</td>
<td>Male</td>
<td></td>
</tr>
<tr>
<td>RACE/ETHNICITY</td>
<td>White/Not Hispanic or Latino</td>
<td></td>
</tr>
</tbody>
</table>
## John Peter Doe

**D.O.B.** 05/22/1980  **NICKNAME** Johnny, Jack

- **OFFICER SAFETY**
- **MEDICAL CONDITION**
- **SUSPECTED GANG MEMBER**

<table>
<thead>
<tr>
<th>IDENTIFICATION</th>
<th>TRUE NAME</th>
<th>NICKNAME</th>
<th>SEX</th>
<th>RACE/ETHNICITY</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>John Peter Doe</td>
<td>Johnny</td>
<td>Male</td>
<td>White/Not Hispanic or Latino</td>
</tr>
</tbody>
</table>

**BIRTH INFO**
05/22/1980 (DOB)
Charming, CA (City, ST)

**CONTACT**

<table>
<thead>
<tr>
<th>PHONE</th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>(757) 239-01982</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Officer Workflow
(combating bias)
Add Suspect

**Suspected Criminal Street Gang Member?**
- Yes

**Criminal Street Gang Name**
- Fresno Bulldogs

**Criteria**
- Has Gang Tattoos

**Criteria Details**

*Specify the details of the subject’s gang-related tattoos, noting the location on the body and other visible characteristics.*
Gang Expert Workflow
(ensuring data quality)
Criminal Street Gang Tracking: Jonathan Byers

CRIMINAL STREET GANG AFFILIATION

Adding criminal street gang data will add the gang name, “suspected gang member” caution, and expiration date to the master person profile.

Criminal Street Gang Name
Bulldogs, Sanger Trece 13

Assignment will expire on Nov 28 2023

CRITERIA: REN #1234567890 OFFENSE/INCIDENT

Entered by A. Officer #3138, Jun 13 2016

Suspected Criminal Group: Fresno Bulldogs
Gang Dress: Subject dressed in accordance with gang-specific uniform.
Gang Tattoos: Subject had gang-related tattoo on left arm and face.
Criminal Street Gang Affiliation

Adding criminal street gang data will add the gang name, “suspected gang member” caution, and expiration date to the master person profile.

Criminal Street Gang Name
Bulldogs, Sanger Trece 13

Assignment will expire on Nov 28 2023

Criteria: REN #1234567890 Offense/Incident

Entered by A. Officer #3138, Jun 13 2016

Suspected Criminal Group: Fresno Bulldogs
Gang Dress: Subject dressed in accordance with gang-specific uniform.
Gang Tattoos: Subject had gang-related tattoo on left arm and face.
CRIMINAL STREET GANG AFFILIATION

Adding criminal street gang data will add the gang name, “suspected gang member” caution, and expiration date to the master person profile.

Criminal Street Gang Name
Bulldogs, Sanger Trece 13

Assignment will expire on Nov 28 2023

CRITERIA: REN #1234567890 OFFENSE/INCIDENT

Entered by A. Officer #3138, Jun 13 2016
Suspected Criminal Group: Fresno Bulldogs
Gang Dress: Subject dressed in accordance with gang-specific uniform.
Gang Tattoos: Subject had gang-related tattoo on left arm and face.