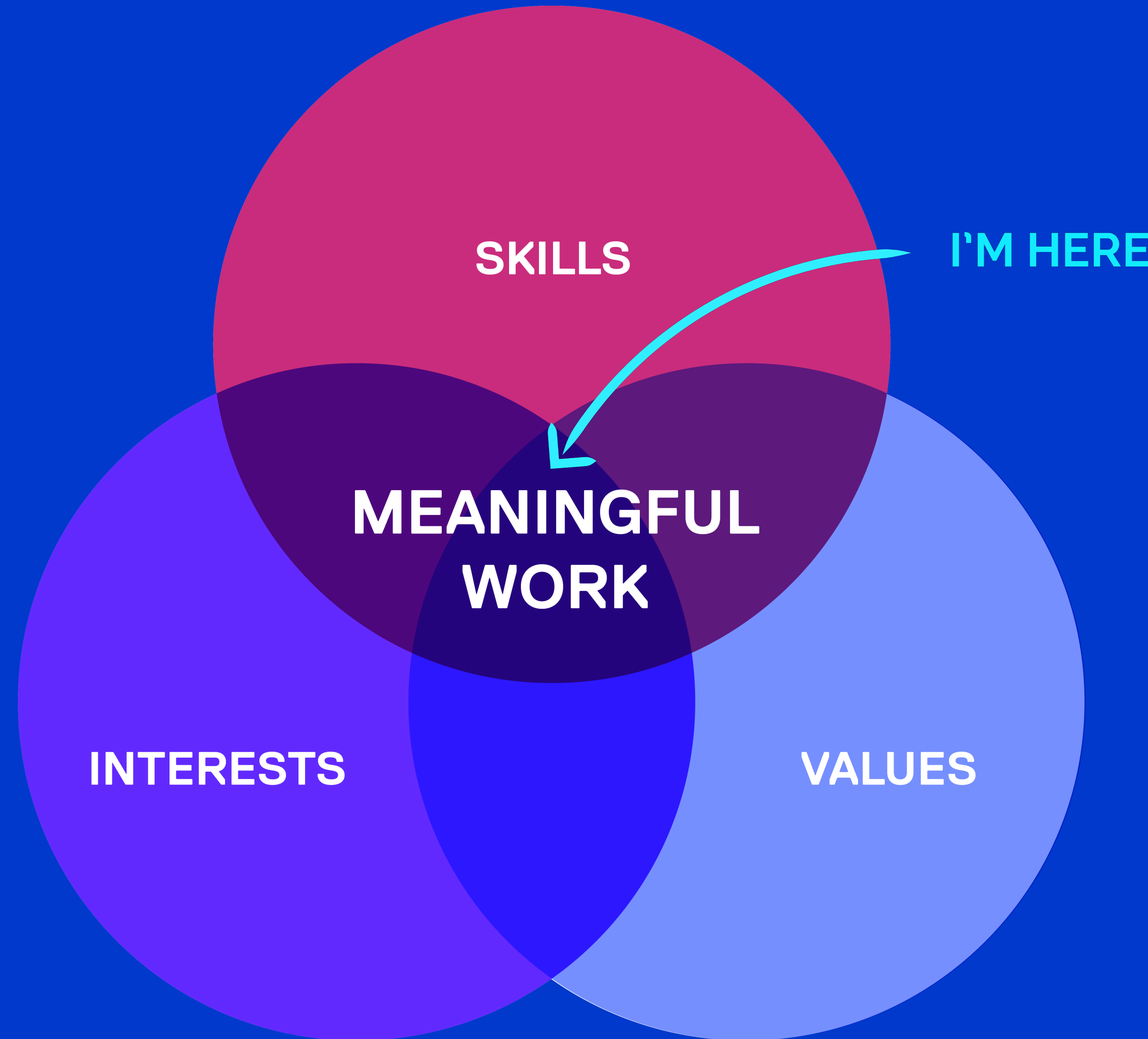




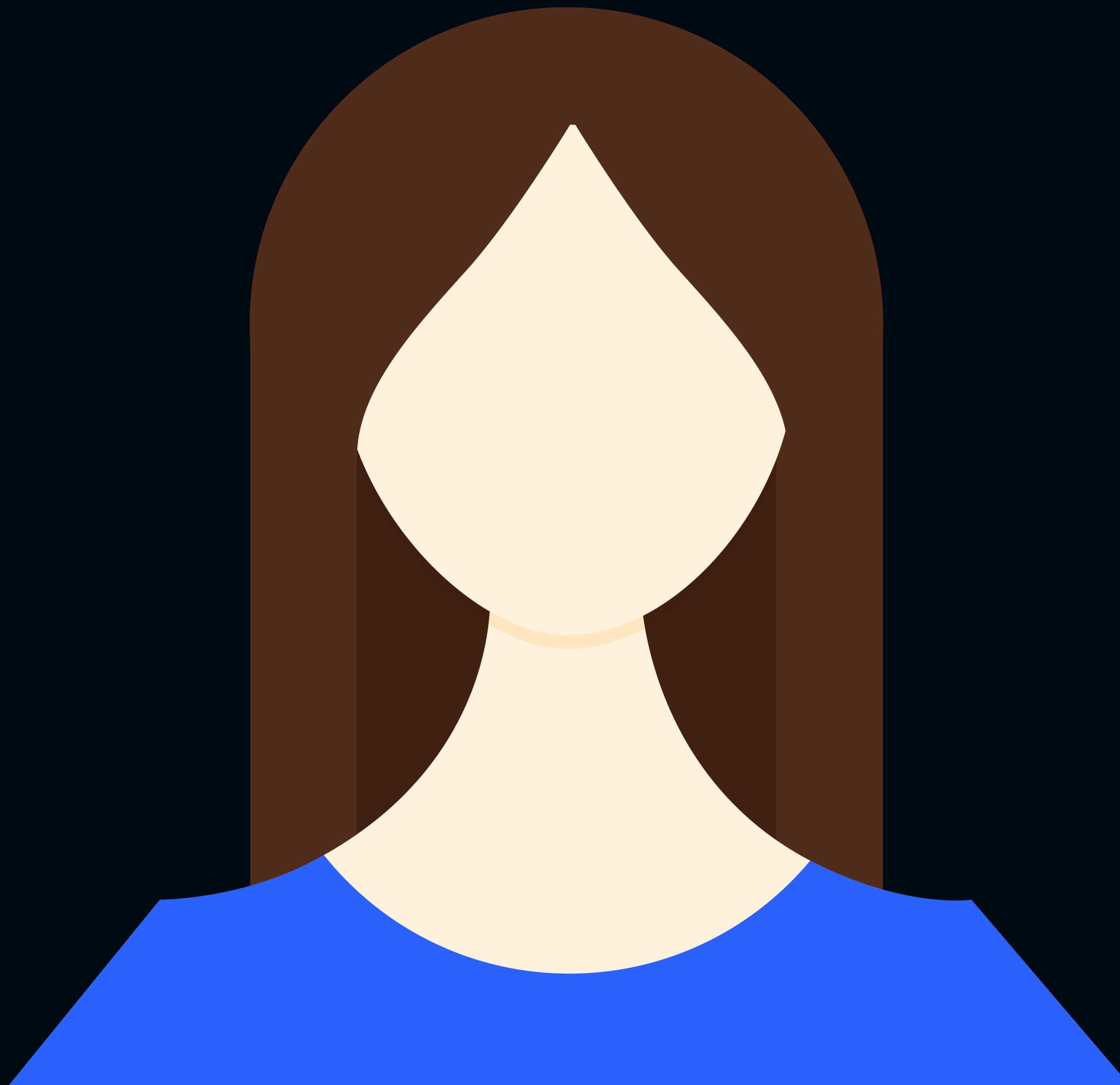
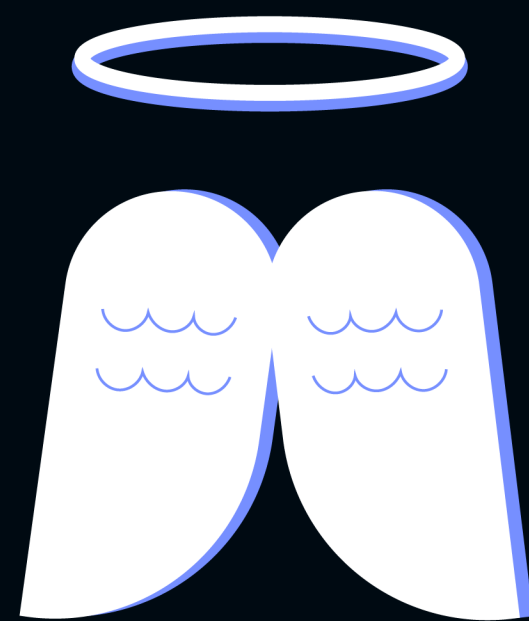
# Designing Police Software without Bias

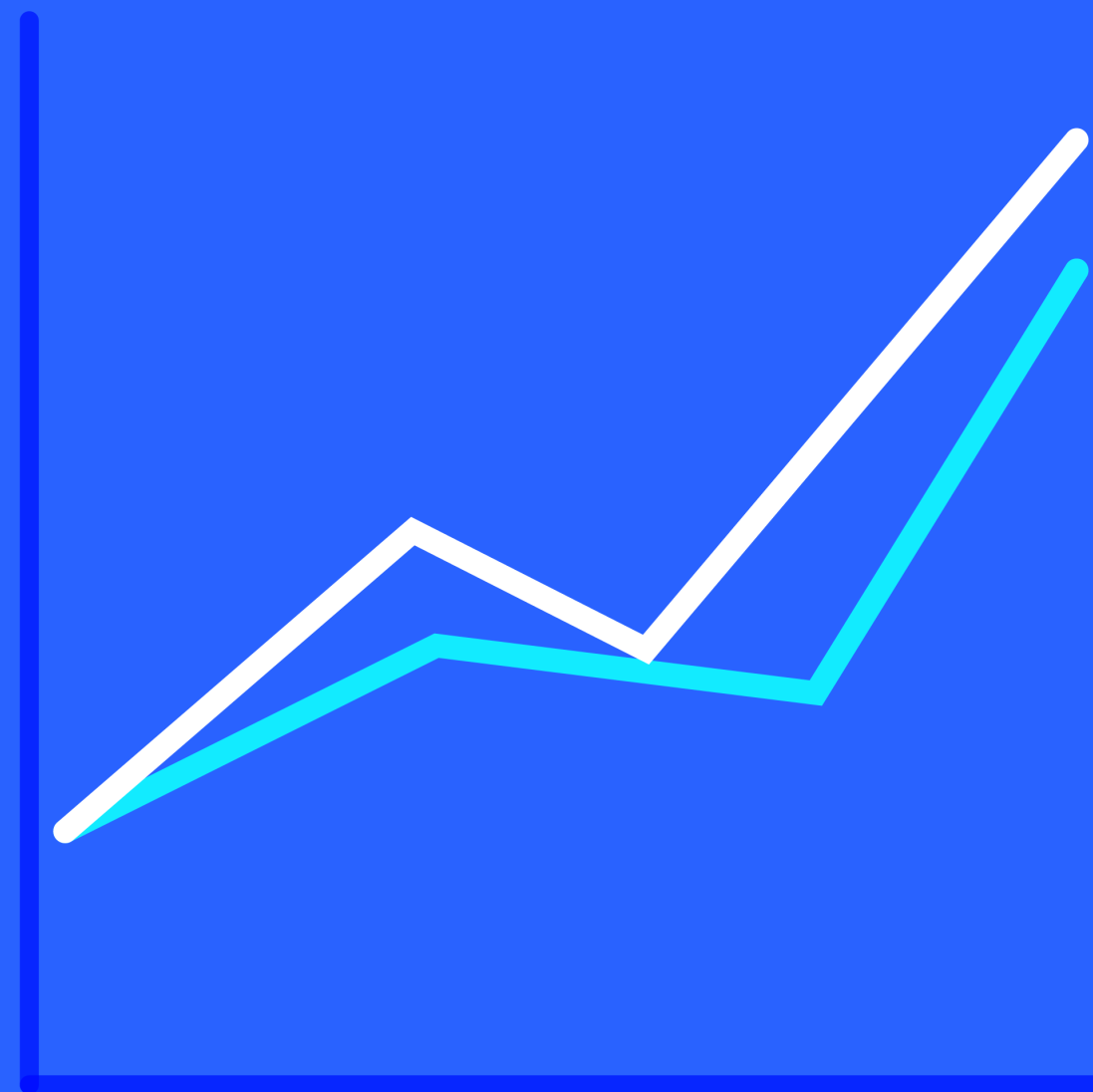
Hannelore McElheny | Product Design Lead, Mark43

**MORE DATA  $\neq$  GOOD DATA**









QUANTIFIABLE

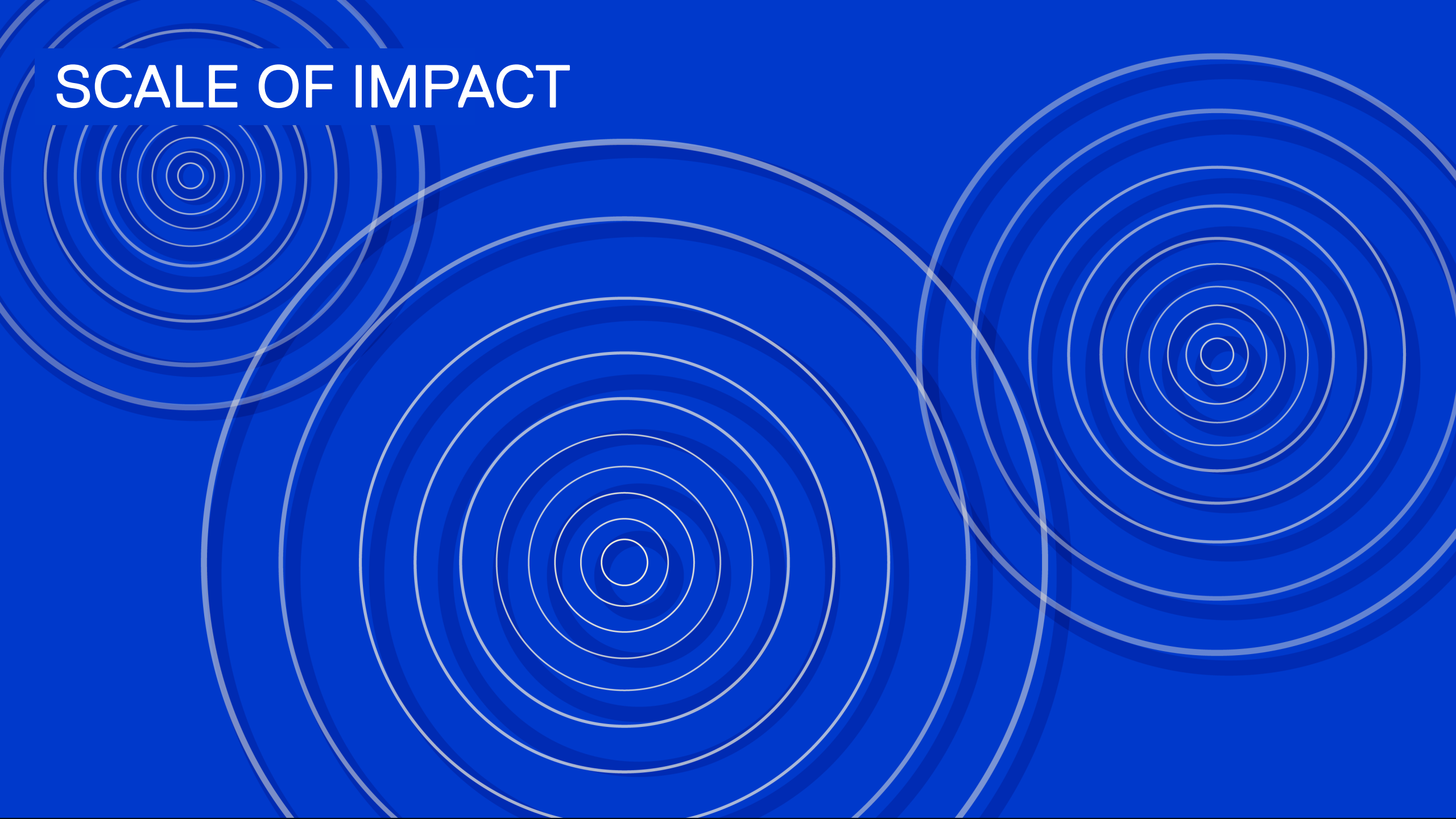


APPLIED EVENLY

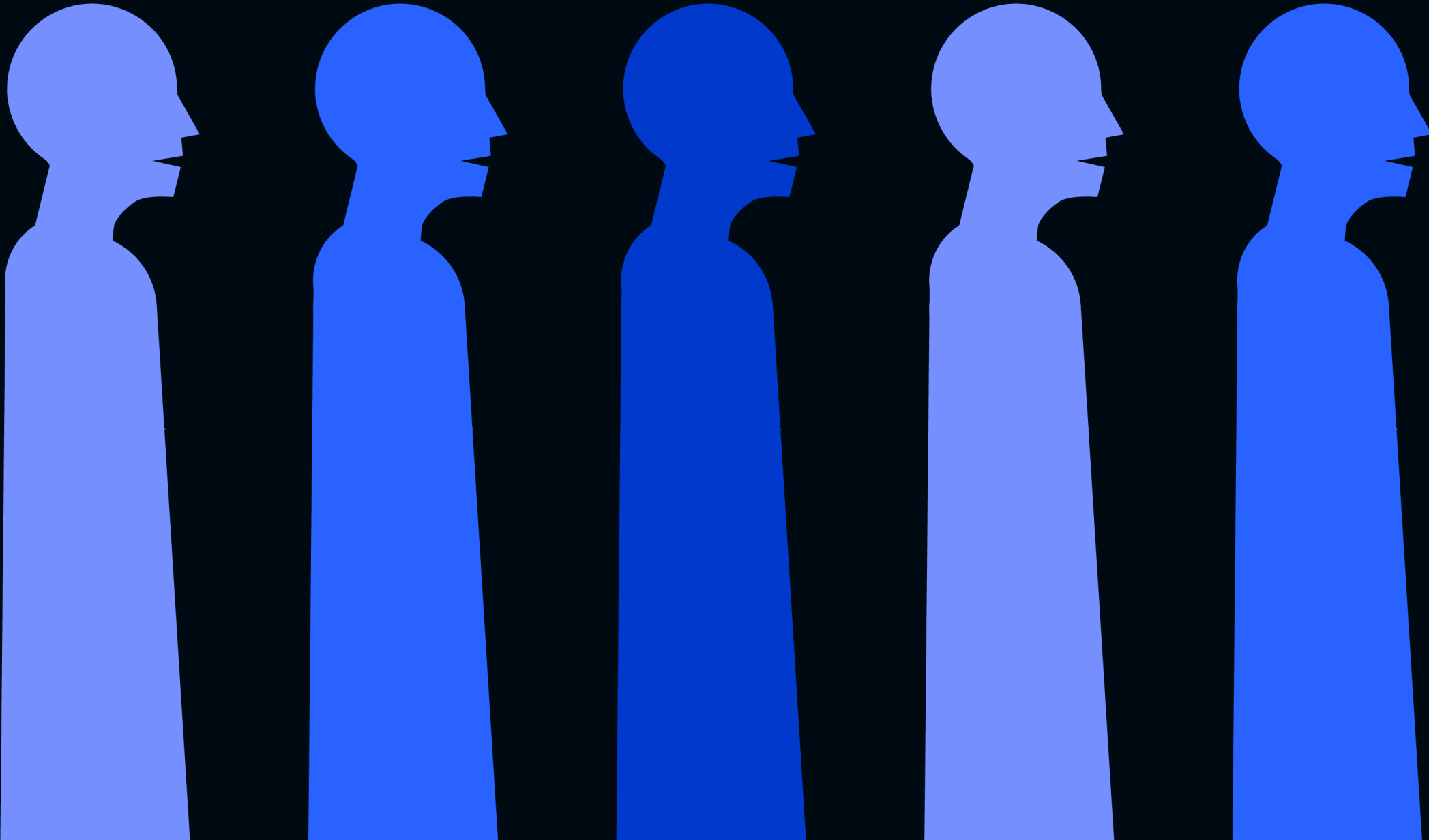
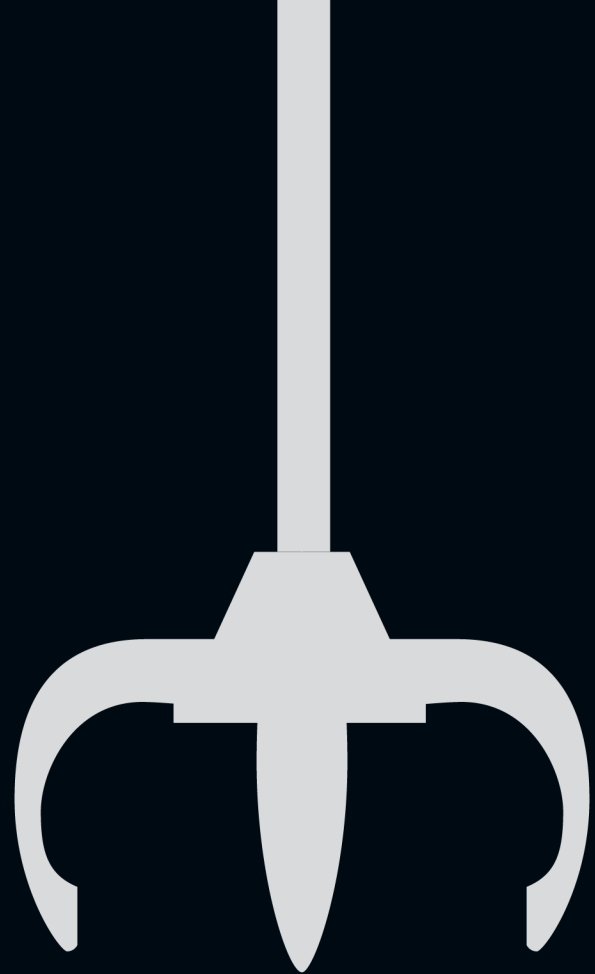


SPEED

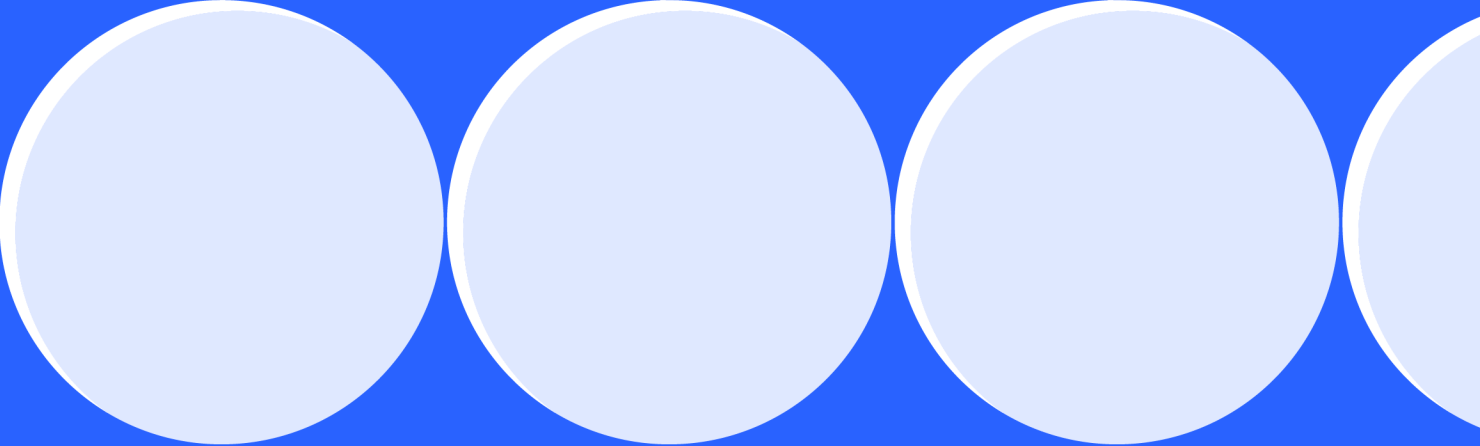
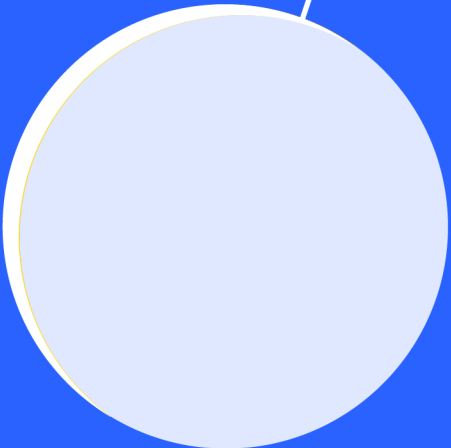
# SCALE OF IMPACT



BIAS



DATA QUALITY



# Person Cautions in Mark43



# John Peter Doe

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

■ OFFICER SAFETY   ■ MEDICAL CONDITION



## IDENTIFICATION

TRUE NAME

John Peter Doe

SSI

NICKNAME

Johnny  
Jack

FBI

BIRTH INFO

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

DR  
LIC

SEX

Male

RACE/ETHNICITY

White/Not Hispanic or Latino

## CONTACT

PHONE

(757) 239-01982  
Burns phone: (757) 310-0033

EM  
CO



DETAILS



REPORTS



CAD



LOCATIONS



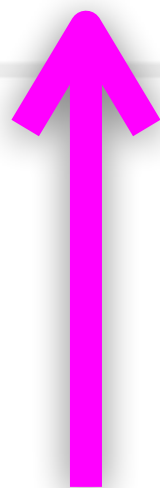
RELATIONSHIPS



# John Peter Doe

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

■ OFFICER SAFETY ■ MEDICAL CONDITION ■ SUSPECTED GANG MEMBER



DETAILS



REPORTS



CAD



LOCATIONS



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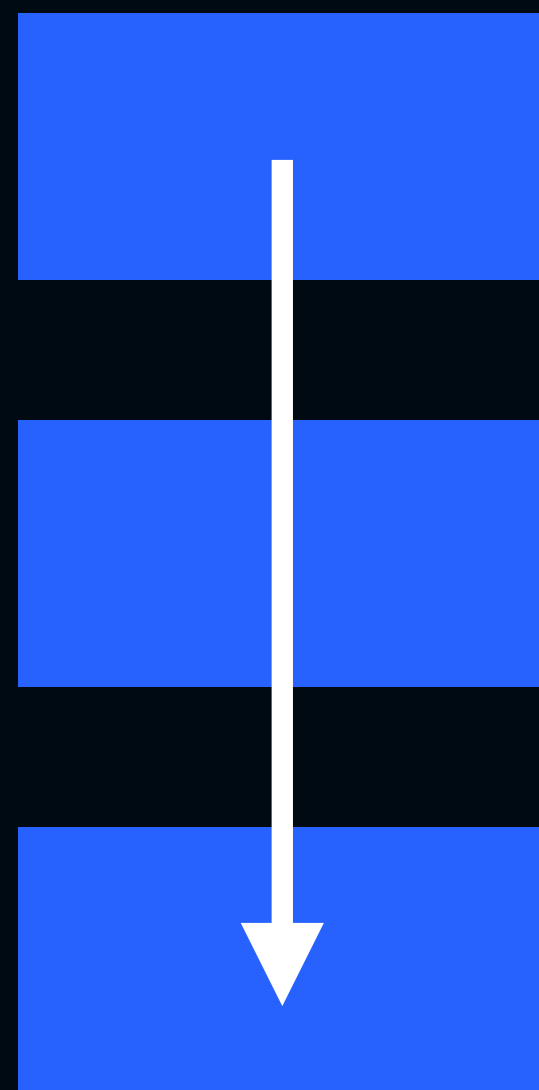
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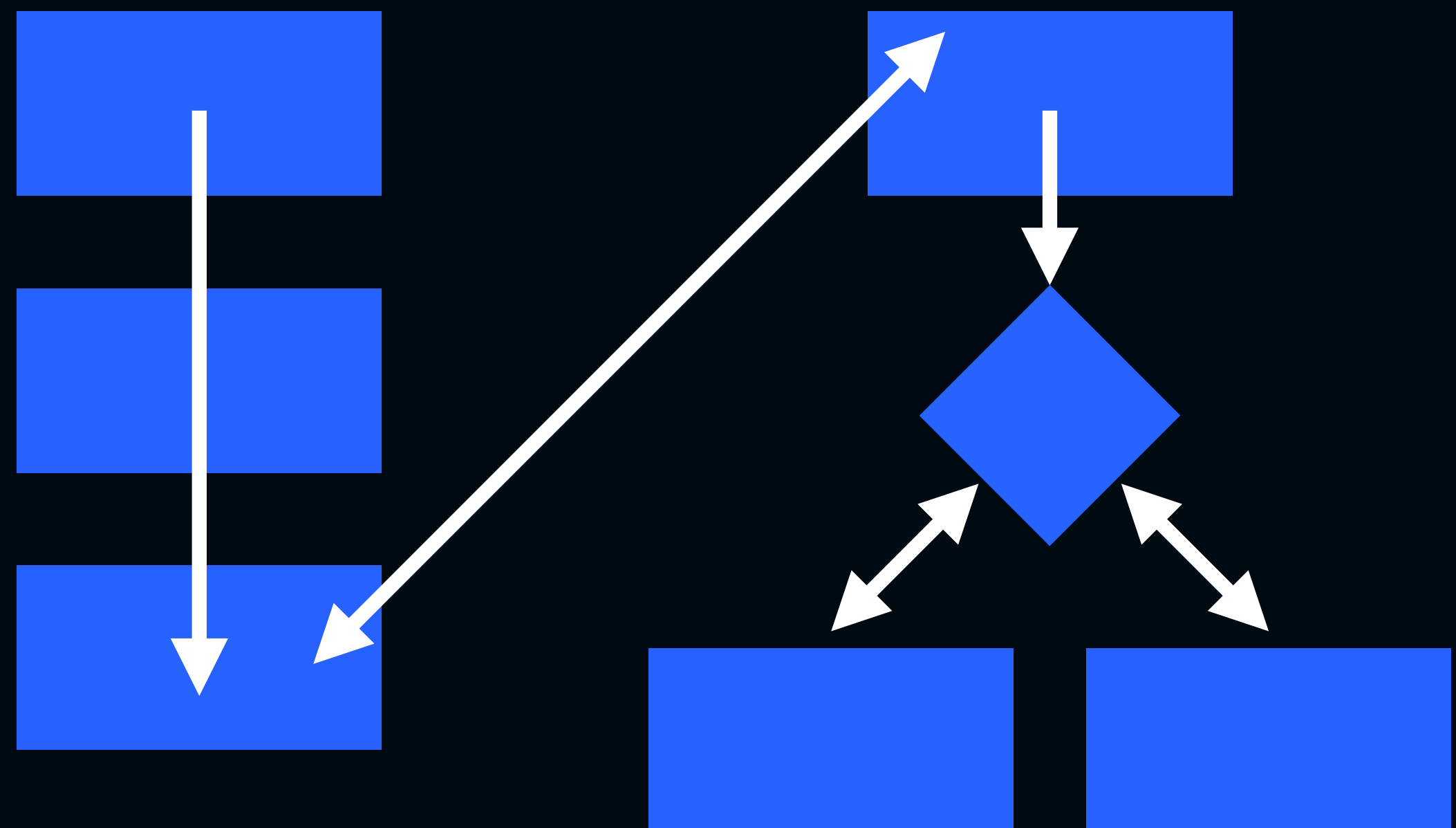
(757) 239-01982  
Burns phone: (757) 310-0033

EM  
CO

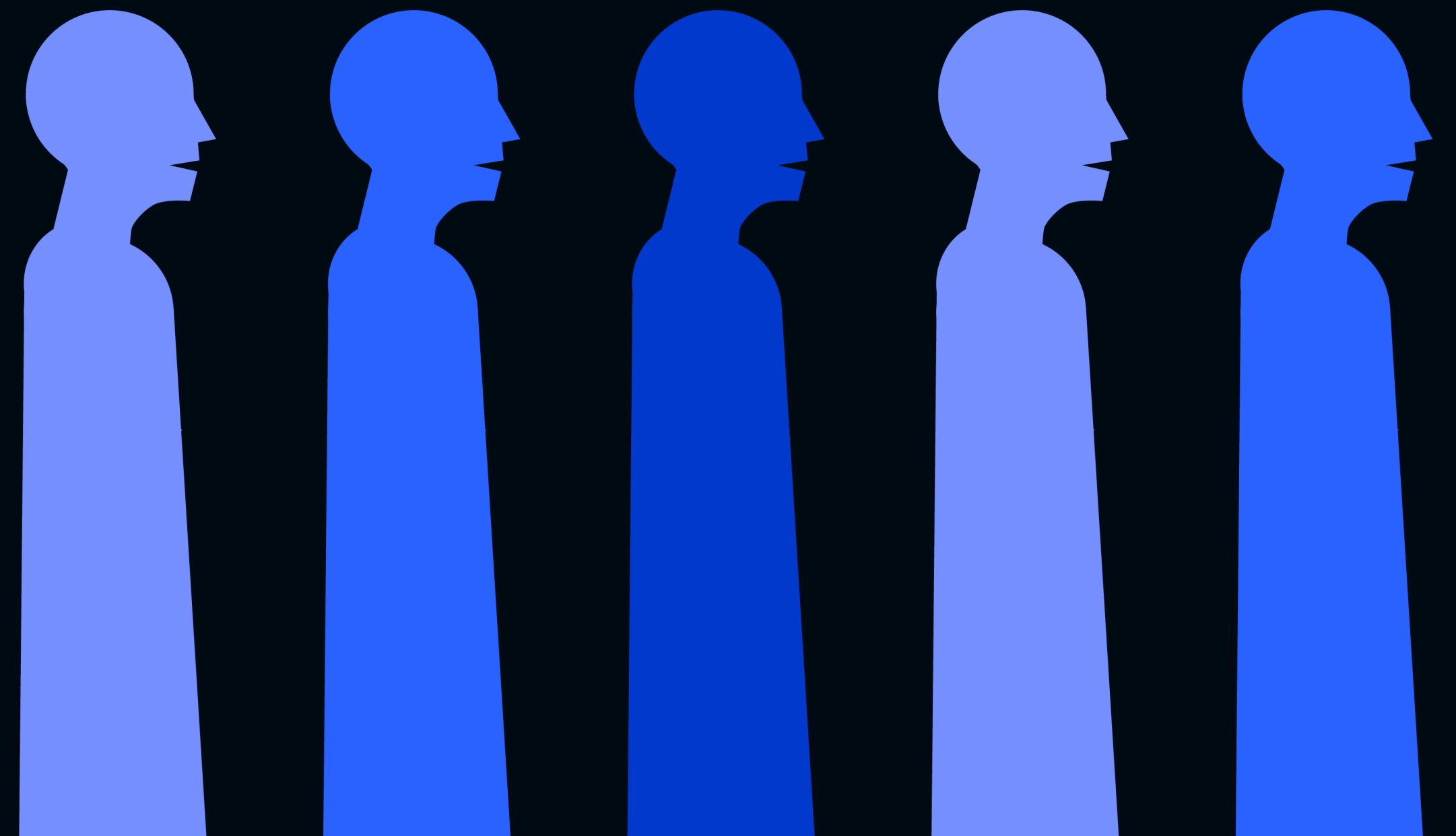
## CAUTIONS FLOW



## GANG CAUTIONS FLOW



# Officer Workflow (combating bias)



## LOCATION

📍 83 UNION ST  
MIDDLE CITY, NJ 07302

VERIFIED ADDRESS

District / Sector / Grid: District 4 / Sector 3387 / Grid 261

Location Type: Residential

Additional Description

## VICTIM

🏢 V-1 SOCIETY [🔗](#)

Type: Government

+ VICTIM

## SUSPECT

## Add Suspect

Misc. Description

Suspected Criminal Street Gang Member?

Yes ▼

Criminal Street Gang Name

Fresno Bulldogs ▼

Criteria

Has Gang Tattoos ▼

Criteria Details

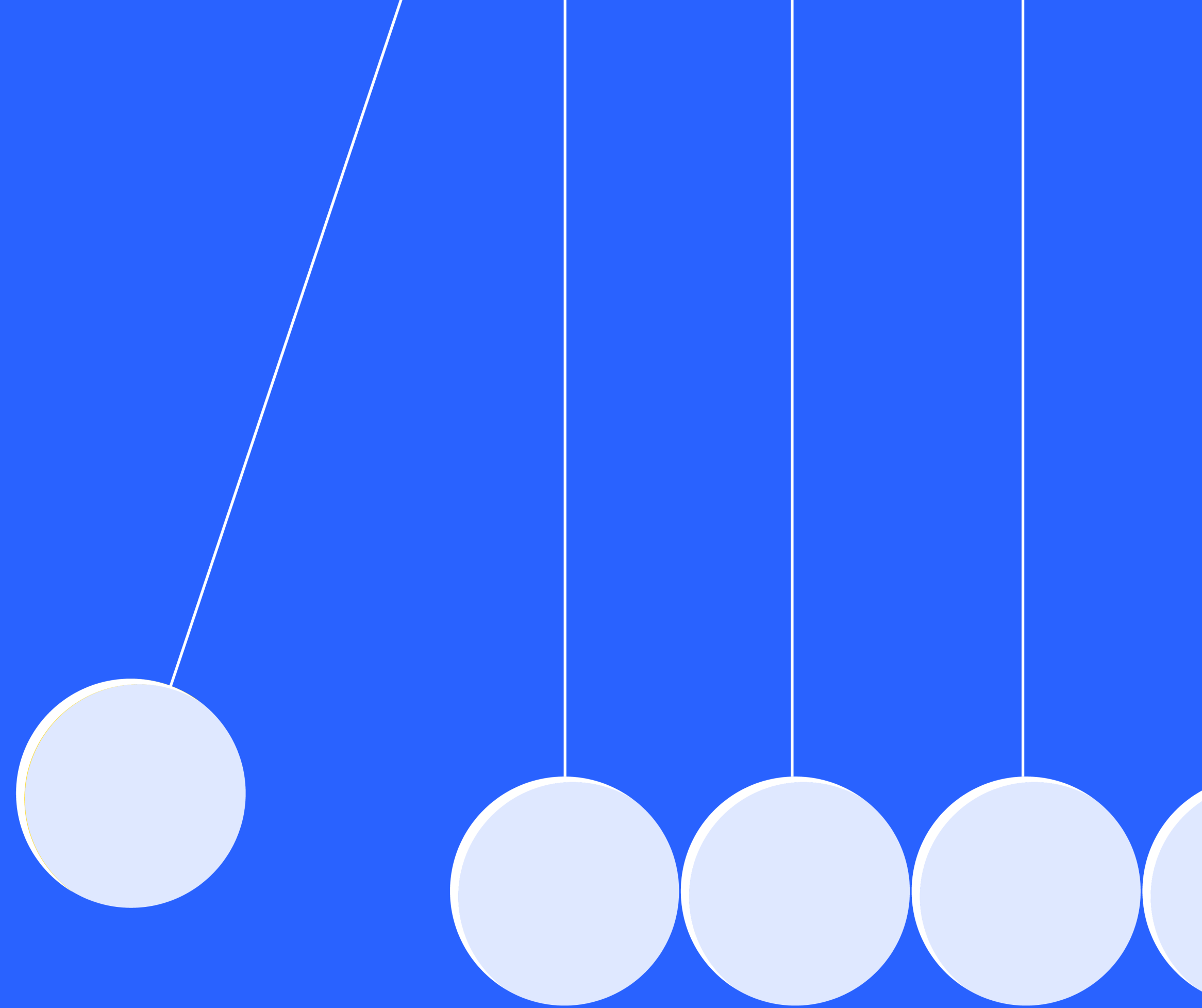
*Specify the details of the subject's gang-related tattoos, noting the location on the body and other visible characteristics.*


+ ADD ATTACHMENTS


SAVE & CLOSE


CANCEL


# Gang Expert Workflow (ensuring data quality)





DASHBOARD


REPORTS

CASES

EVIDENCE

WARRANTS


ANALYSIS

NOTIFICATIONS

# #00003138 Offense/Incident

.Johnson #2134    AUTHORS A. McDonald #1342 +2

## LOCATION


 83 UNION ST  
MIDDLE CITY, NJ 07302

VERIFIED ADDRESS

District / Sector / Grid: District 4 / Sector 3387 / Grid 261  
Location Type: Residential


Additional Description

## VICTIM

V-1 SOCIETY 

Type: Government

Criminal Street Gang Tracking: Jonathan Byers

 BACK

### 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.     |

SAVE

CANCEL

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SAVE

CANCEL



[bit.do/mark43rubric](https://bit.do/mark43rubric)

[hannelore@mark43.com](mailto:hannelore@mark43.com)