

OSINT

sectalks

AND

SOCIAL

@syngularity0

ENGINEERING

14 May 2019

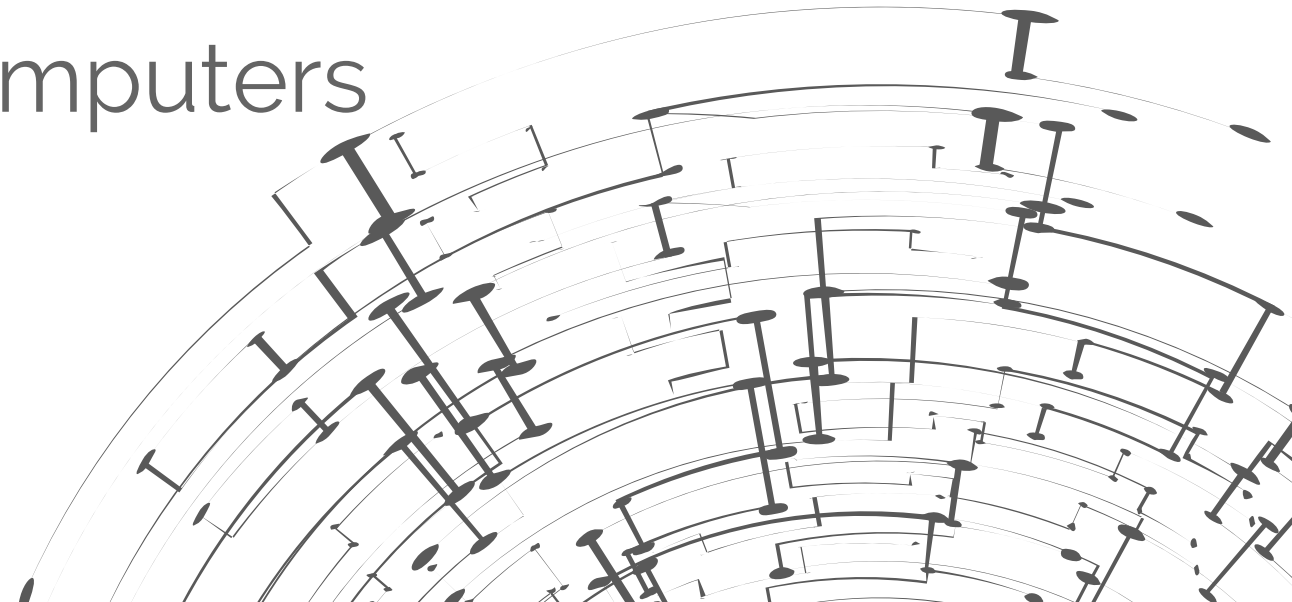


# DISCLAIMER

Not a Psychologist

Not a Pentester

Not good at computers  
(they're dumb)





**ETHICS**

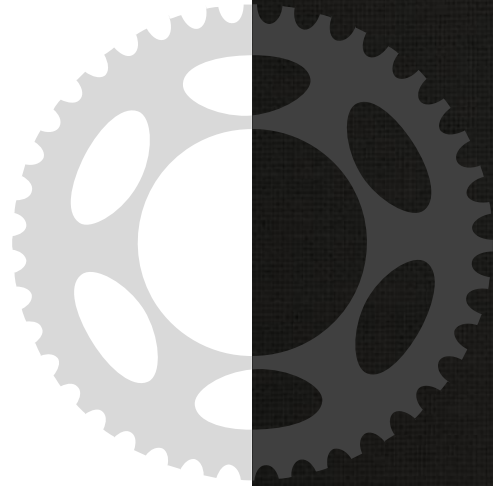


# Open Source Intelligence

Extracting information  
from publicly available  
sources.

# Social Engineering

Convincing people to  
divulge information or  
perform actions they  
generally shouldn't.



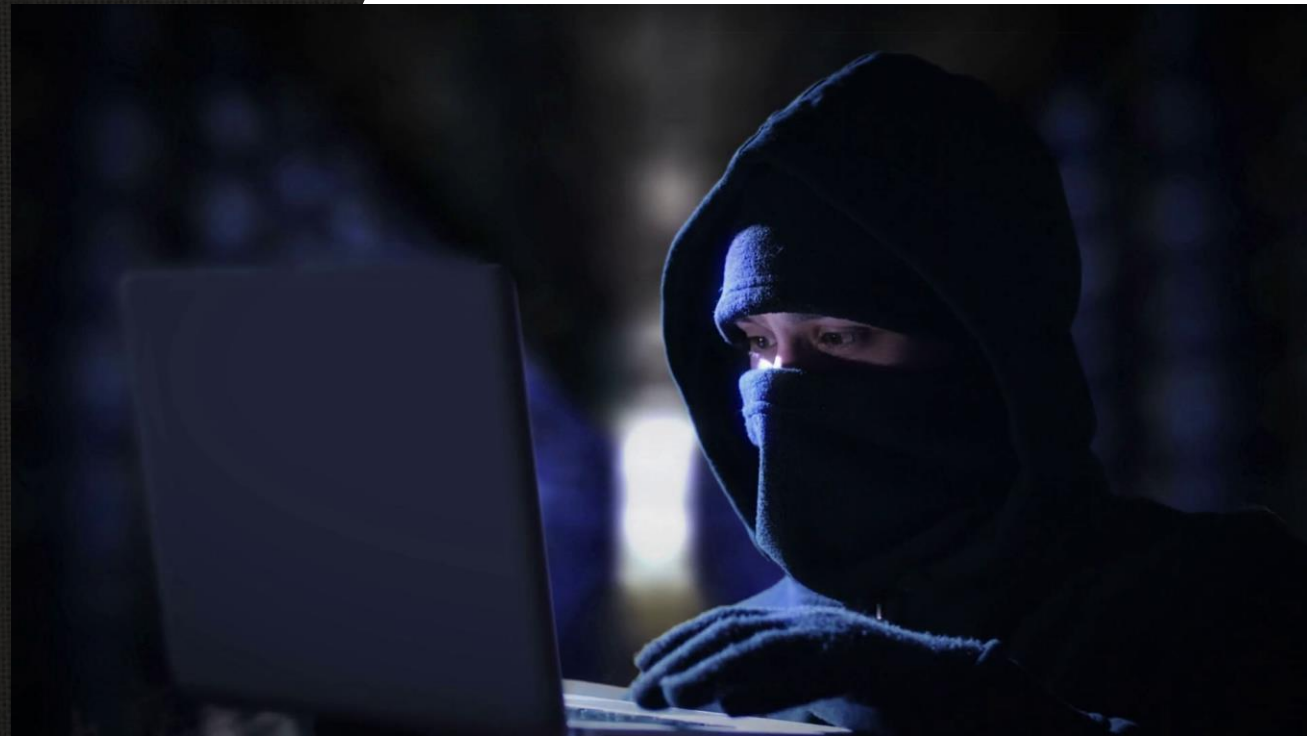
# Never The Twain Shall Meet

- ♦ OSINT enables SocEng
- ♦ Information from SocEng ISN'T OSINT
- ♦ Information gained from SocEng enables OSINT

# Oday?!!?!?

# In Meatspace?!!?!?

- ♦ Shh. Thought leadering!
- ♦ Wetware is hard to patch



Traditional computer hecking  
c. 2012, colourised



# **SQUISHY VULNERABILITIES**

- ◆ Perception
- ◆ Motivation
- ◆ Cultural Factors
- ◆ Bias
- ◆ Persuasion and Manipulation
- ◆ Social Conditioning



# PERCEPTION



***WE TEND TO  
PERCEIVE WHAT WE  
EXPECT TO PERCEIVE***

Richards J. Heuer, Jr.

- ◆ Shapes responses
- ◆ Heuristics
- ◆ Blind spots

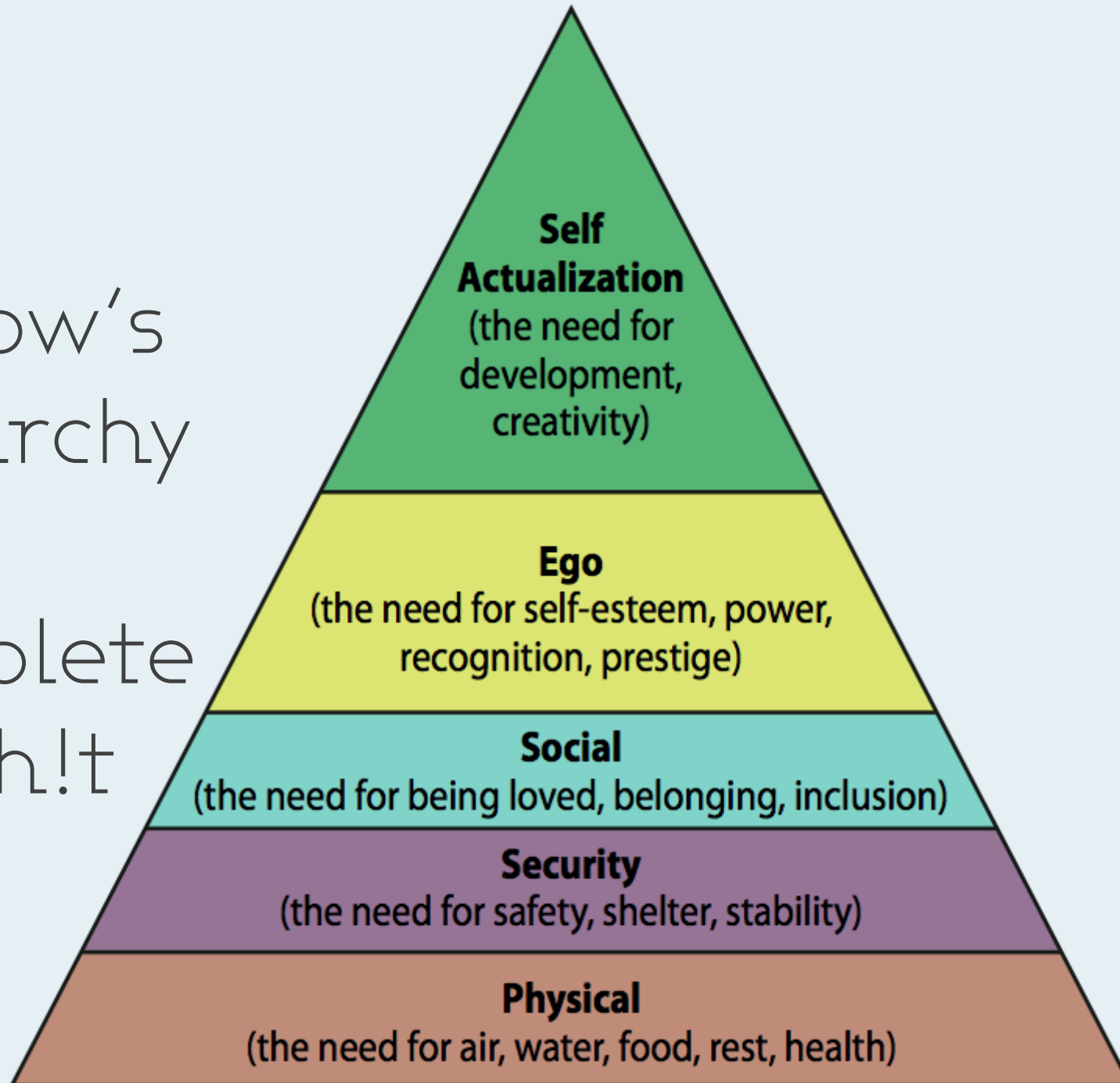


# Motivation

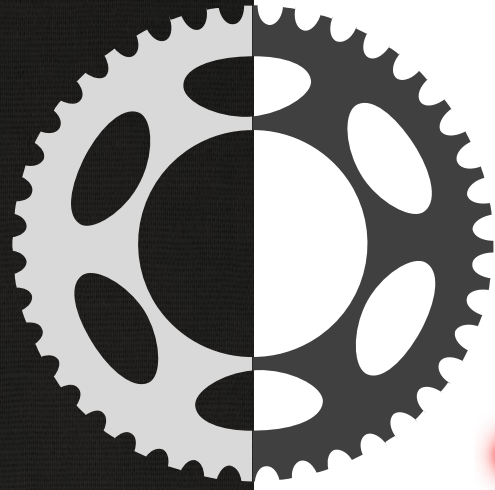


- ♦ Make people do something they **want** to do
- ♦ Understanding individual motivation is **hard**
- ♦ Everyone is the same, except they're really not

Maslow's  
Hierarchy  
Of  
Complete  
Bull\$h!t







# Motivation - MICE

- ♦ Money

- ♦ Ideology

- ♦ Coercion/Compromise

- ♦ Enjo/Excitement

# Cultural Factors

- ♦ Different cultural norms
- ♦ Different generational norms
- ♦ Different kinds of interactions
- ♦ Different expectations
- ♦ Different taboos



**\*HRNK\***

I shall play you the song of my people.





0 ← - - - - - **HOFSTEDE'S CULTURAL DIMENSIONS** - - - - - → 100

LOW POWER  
DISTANCE

**PDI**

HIGH POWER  
DISTANCE

COLLECTIVISTIC

**INV**

INDIVIDUALISTIC

FEMININE

**MAS**

MASCULINE

LOW UNCERTAINTY  
AVOIDANCE

**UAI**

HIGH UNCERTAINTY  
AVOIDANCE

SHORT TERM  
ORIENTATION

**LTO**

LONG TERM  
ORIENTATION

RESTRAINT

**IND**

INDULGENCE

# BIAS

The diagram features a diagonal split background. The top-left half is white, and the top-right half is dark grey. The word 'BIAS' is centered at the top, with a white line forming a rectangular frame around it. Below the frame, the word 'CONSCIOUS' is on the left and 'UNCONSCIOUS' is on the right. Below these, various cognitive biases are listed. The background also includes a green glowing circular pattern in the top right and a grey circular pattern in the bottom left.

CONSCIOUS

UNCONSCIOUS

Confirmation

Hindsight

Dunning-Kruger Effect

Groupthink

Bandwagon Effect



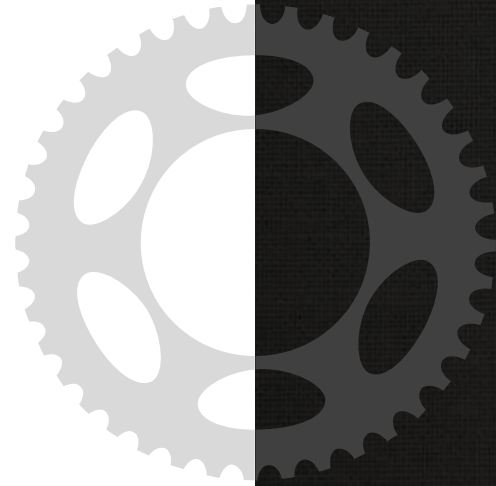
# PERSUASION MANIPULATION

- ◆ Cialdini's Principles

## RASCI.S

- ◆ **R**eciprocity
- ◆ **A**uthority
- ◆ **S**ocial Proof
- ◆ **C**onsistency
- ◆ **L**iking
- ◆ **S**carcity

- ◆ Intent
- ◆ Truthfulness
- ◆ Benefit



# Social Conditioning



## Milgram Experiment

more fun than it sounds!

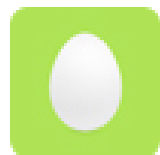






# Tying it Together

- ♦ Who cares?
  - ♦ But it's *obvious*!
  - ♦ This doesn't apply to me



**Kevan Twitnick**

@realkevtwitnick



 Follow

Thanks everyone. I head back to the US at the end of the year and money is starting to get tight. Trying to do only what I have to before I go home (or get the parts cheaper here and take them with me)



Reply



Retweet



Favorite



More

4:12 AM - 13 May 19 · Embed this Tweet





### Nancy Blue

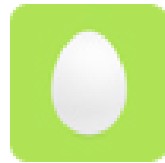
I have plans to go to California tomorrow to see my 86-year-old mother. Working today then going straight up to Denver to get a hotel so I can go to the airport early in the morning. I was off work yesterday packing, walking outside to go do my laundry, took a little walk next to the beautiful garden center. How do you think I started feeling last night? Now I'm up ready to go to work today feeling like s\*\*\* and travelling tomorrow. How f\*\*\*\*\* up is it that you cannot go outside and enjoy beautiful in Colorado without getting sick?

Like · Comment · 9 minutes ago · 🌐



18 potatoes like this.





**Dave McDaveyface**

@daveyface



Follow

who got snap? add me: lolwtfbbbqdave



Reply



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4:34 AM - 13 May 19 · Embed this Tweet



## Pablo Altobar

I'm on the sunny coast and have not seen a blue sky for more than a week!!!! Artists need their blue sky!!! 🙄 so over it....what is this grey cloud that hovers over me? What are those planes I keep seeing making crosses in the sky?? Why has the green diminished on the leaves? Why has life gone from the air that I breathe? The paddocks are bare and the river is dry and I'm still asking you why oh why oh why?

Like · Comment · 9 minutes ago · 🌐



18 potatoes like this.







**Brooke Simmons** ✓

@vrooje

Following



Five jobs I've had:

1. Don't
2. answer
3. security
4. questions
5. on Twitter

2:53 AM - 25 Apr 2019

15,676 Retweets 61,372 Likes



392 16K 61K



Tweet your reply



**Brooke Simmons** ✓ @vrooje · Apr 25



I'm not sure which is funnier, the [#wellactually](#) people lecturing me on security question best practice or the [#wellactually](#) people who apparently think we're all out here putting our summer job from 20 years ago on LinkedIn

17 80 1.8K



TWEETS

203

LOAD MORE

TIMEFRAME

2 days

REACH

32,615

IMPRESSIONS

35,420

TOTAL RT'S

61

TOTAL FAVES

1,138

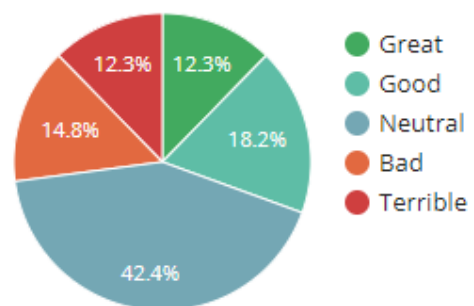
REPLIES

176

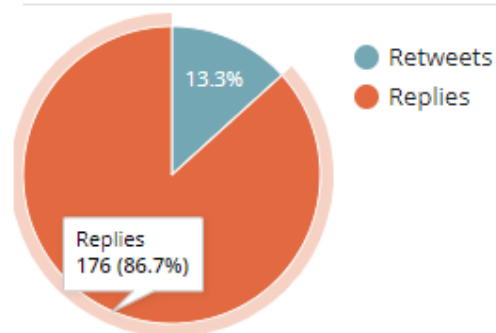
HIDDEN

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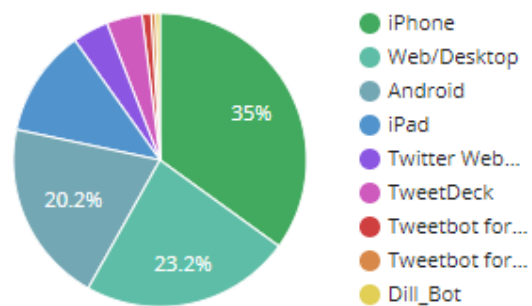
## TWEETS BY SENTIMENT



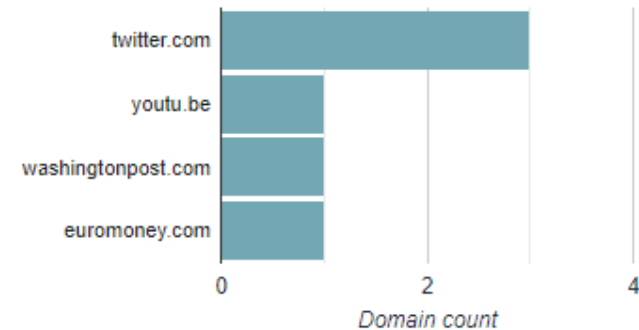
## TWEETS BY TYPE



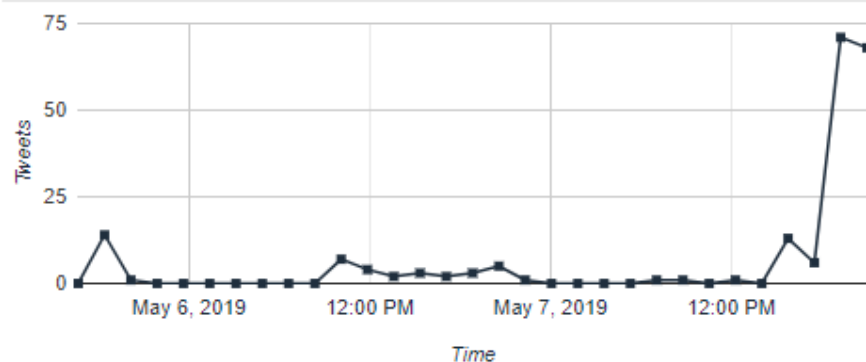
## TWEETS BY SOURCE



## TOP DOMAINS SHARED



## TWEETS OVER TIME



## HASHTAG CLOUD



#metoo

## WORD CLOUD



nothing anning false aec  
job done like work box  
down pre-poll sure also  
votes take keep



**Tinker**

@TinkerSec

Following



When trying to make an impression with the boss, client, preferred sex, you try to stand out.

When trying to slip by security, not be noticed, and be left alone, you try to blend in.

A gray person is slightly out of shape, slight bad posture, with a pleasant but dull demeanor.

7:18 AM - 13 May 2019



**Jek Hyde**

@HydeNS33k

Following



When I got started in Red Teaming, a guy asked, "You break into buildings? So you wear like, black leather bodysuits to work?"

1: Ew

2: That's the complete opposite of what I do. I'm a harried assistant or a bored laborer eating lunch. I break in by being normal af.

**Brandon Kirkland** @BrandoKirkland

Replying to @TinkerSec

"How I became the worlds best spy by being boring af"

12:05 PM - 13 May 2019



# Parting Thoughts

- ♦ OSINT is more than just theharvester, Shodan, Censys etc
- ♦ Easy to make sweeping judgements, but people are individuals
- ♦ Empathy vs Sympathy
- ♦ Try to identify biases in target, beware your OWN biases



# QUESTIONS

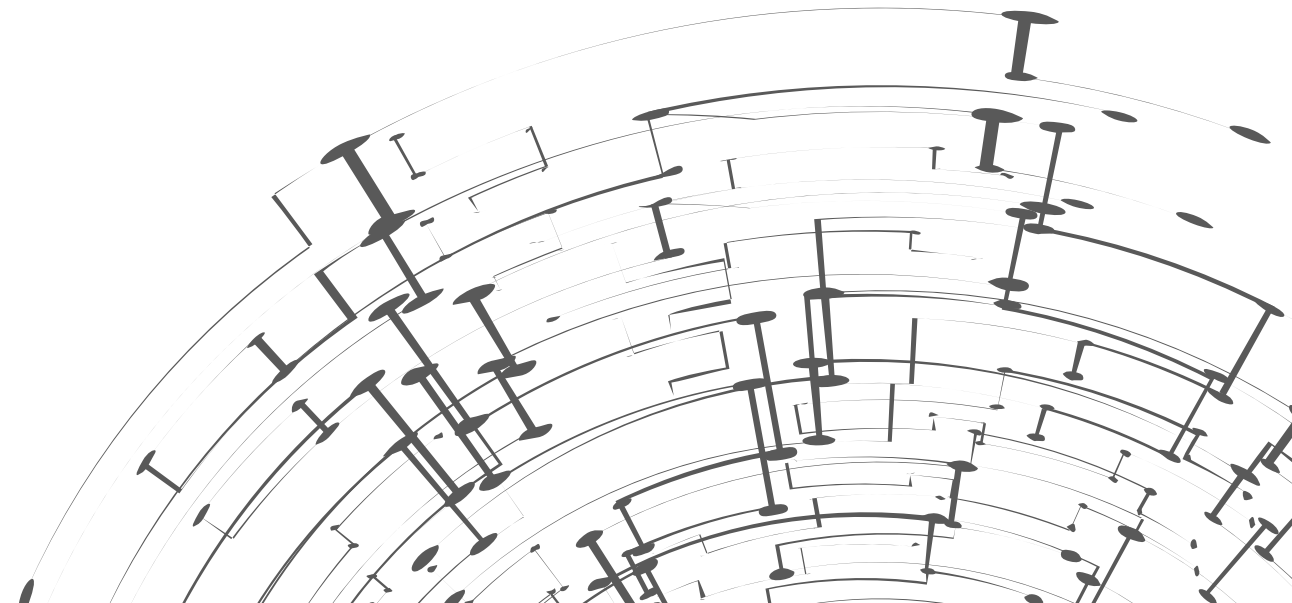


# EVENTS

BSides Melbourne	16-17 Feb
BSides Canberra	15-16 Mar
CrikeyCon	6-7 Apr
oxCC	26-27 Apr
TuskCon	11-12 May
OzSecCon	14-16 Jun
BSides Brisbane	29 Jun
BSides Sydney	07 Sep
CHCon	10-11 Oct
PurpleCon	16 Oct
KawaiiCon	17-18 Oct

CSides Returns this Friday!

17 May, 6 pm @ ANU







**Jek Hyde**

@HydeNS33k

Hi! I'm Jek & I break into buildings! 🏠  
Nefarious Character 🧐 Red Team  
Thief 🦊 Social Engineer 🌹 Crazy Like a  
Fox 🦊 Let's be bad guys 🐱

📍 Dallas, TX

📅 Joined August 2016



**Tinker**

@TinkerSec

Tinkerer | Cypherpunk | Hacker -  
[@Dallas\\_Hackers](#)

📍 /dev/null

🔗 [tinker.sh](#)

📅 Joined August 2016



**(((Jayson E. Street)))**

@jaysonstreet

Hacker, Author. Speaker, VP of InfoSec at  
SphereNY, DCG Global Ambassador!  
Always learning & always hoping to teach  
others! :- ) [awkwardhugs.org](#)

📍 here & there

🔗 [JaysonEStreet.com](#)

📅 Joined January 2009



**Rachel Tobac**

@RachelTobac

CEO @[SocialProofSec](#) social engineering  
training/pentesting/speaking | 3X  
[@DEFCON](#) #SECTF 2nd place | Chair  
[@WISPorg](#) Board | Sr UX Research  
[@coursehero](#) | she/her

📍 San Francisco and Pittsburgh

🔗 [SocialProofSecurity.com](#)

📅 Joined March 2015



# Layer 8 Conference

*Social Engineering and Intelligence Gathering - June 8, 2019 - Providence, RI*



**SECURITY**  
THROUGH EDUCATION

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## The Social-Engineer Podcast