

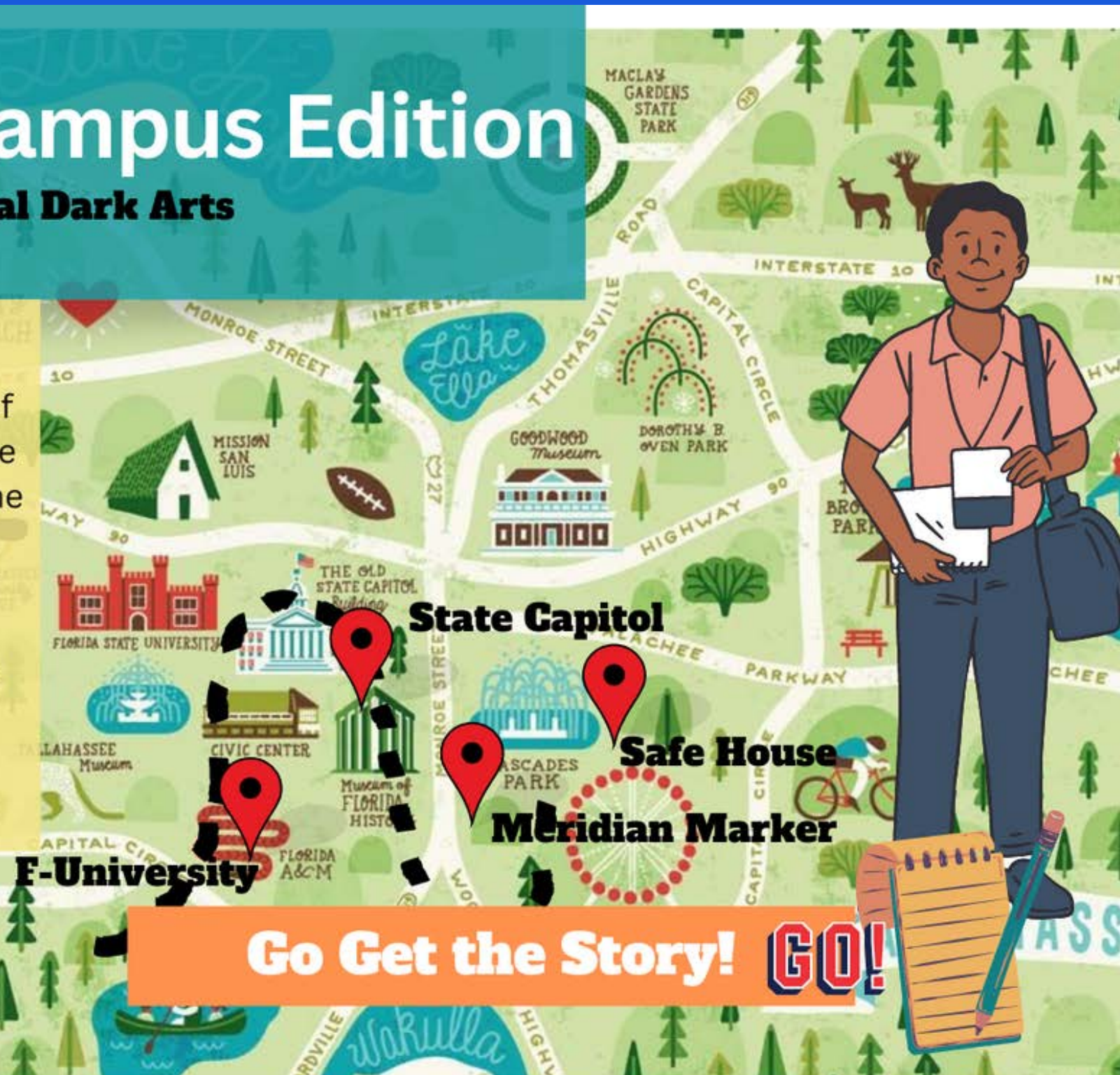
Community-Based Solutions to Online Hate

#LevelUp: Campus Edition

Defense Against the Digital Dark Arts

CLUE #4

You emerge from the Museum of Florida History and the Old State Capitol Building and stand on the front steps, peering down Apalachee Parkway. It was right here, in the year 2000, that the U.S. presidential elections hung in the balance. Buried in these archives. What other history is buried right beneath your feet?



EVENT: Online Hate, Media (Mis)Representation and Systemic Racism Conference

HOST: Diversity Institute, Toronto Metropolitan University

DATES: June 22 - 23, 2023

Panelist: Dr. Michelle Ferrier
Media Innovation Collaboratory

We train digital users and communicators to be digital creators and leaders, shaping community norms and narratives and building using co-creation principles. We train in digital forensics and safety strategies and community-building practices.



TECH ↗

Twitter Fails to Remove Hate Speech by Blue-Check Users: Report

ELON'S LITTLE EMPIRE

If you pay \$8 a month, Twitter will boost your tweets, new research found, even if you post about how "Hitler was right."



Decca Muldowney
Reporter-Researcher

Updated May. 31, 2023 6:56AM ET / Published May. 30, 2023 9:11PM ET



EXCLUSIVE





Michelle Ferrier, Ph.D.

President, IAWRT-International;
Founder, Troll-Busters.com; 3x...



IAWRT



About Me: Dr. Michelle Ferrier

Founder, TrollBusters.com

- Author, *Attacks and Harassment: The Impact on Female Journalists and Their Reporting* (2018).
- Author: *Mediating Misogyny, "TrollBusters: Fighting Online Harassment of Women Journalists"*
- Author: "The Progression of Hate," *Attacks on the Press* 2016 Edition, Committee to Protect Journalists.





Regional Reports on Online Abuse and Press Freedoms

Case Studies: Profiles in Resilience

Tactics on Legal Redress, Digital Safety and Creating in Hostile Geographies

Strategies for Engagement, Protecting Sources

Maintaining Presence Online and Off

Mental Health Strategies for Resilience



First day back on campus and guess what? You step right into a BIG mess...



F-University

State Capitol

Meridian Marker

Location: College Town | GO!
Destination: F-University



LEVEL UP CAMPUS EDITION

Geolocation Tools

A GUIDE TO DIGITAL NINJA SKILLS



Google Earth/ Google Maps

Find the longitude and latitude of any location on the globe. Google Earth and Google Maps provide map, directions, search and aerial and street-level views of nearly the whole Earth...or the parts with roads...let's go explore.





2023 Bronze Winner
Non Profit Campaign
GenZ: From User to Creator
TrollBusters

2023 Bronze Winner
Innovation
Toxic Avenger Magazine
TrollBusters

2023 Silver Winner
Innovation
GenZ: From User to Creator
TrollBusters

HOW THE INTERNET WORKS

HOW DOES THE INTERNET WORK?

WHERE DOES MY DATA GO?

HOW CAN PEOPLE FIND WHERE I LIVE?

1965 FIRST WAN (WIDE AREA NETWORK) EVER ESTABLISHED

1969 FIRST INTERNET MESSAGE EVER SENT!

1970-76 RISE OF LAN (LOCAL AREA NETWORK)

1983 THE DOMAIN NAME SYSTEM IS BORN

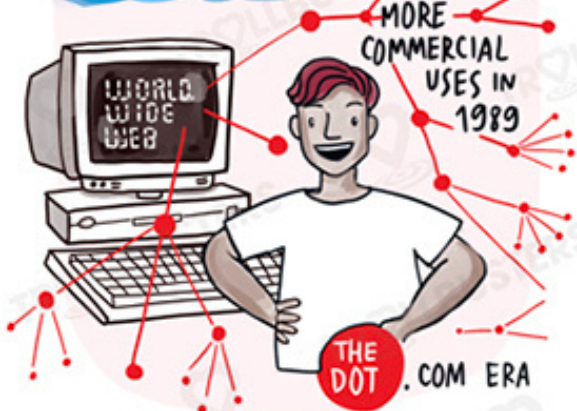
1990 TIM BERNERS-LEE INVENTS HTML

1991 THE WORLD WIDE WEB GOES MAINSTREAM

2018 4 BILLION INTERNET USERS AROUND THE GLOBE

TIMELINE

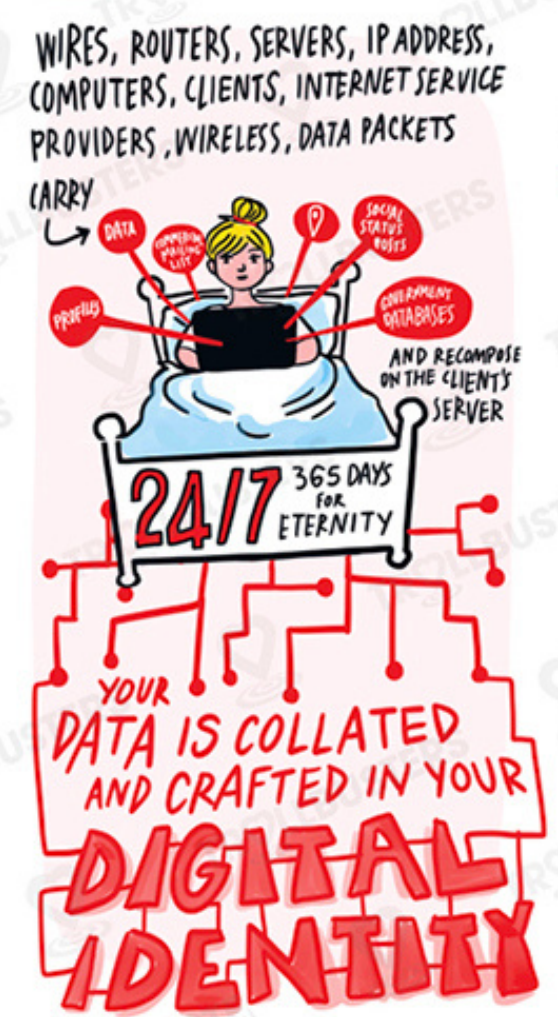
HOW DOES THE INTERNET WORK



HOW IS YOUR DATA STORED



THE INTERNET AS A PARALLEL UNIVERSE



WHERE DOES YOUR DATA GO



CAUTIONARY TALE: THE HARMS OF TECHNOLOGY

HOW IS DATA COLLECTED, STORED AND DISTRIBUTED ON DIGITAL CHANNELS?

"I THOUGHT THE PERSON WHO WANTED THE PICTURES WAS AN OLDER TEEN. I WAS NEVER THINKING IT WAS A 35-YEAR-OLD ON THE OTHER END..." - AMANDA'S MUM

IN 2010, AMANDA TODD, FROM VANCOUVER AREA, WAS 13. SHE USED VIDEO CHATS TO MEET OTHER TEENS LIKE AYDIN COBAN, WHO IN REALITY WAS A 35 YEAR OLD.

HE TALKED HER INTO SHOWING HER BREASTS DURING A WEBCAM CHAT - SHE DID - NOT KNOWING HE HAD TAKEN A PHOTO. HE THEN ASKED FOR MORE THREATENING TO SHARE THE PHOTO ON FACEBOOK. SHE REFUSED AND HE SHARED THE PHOTO WITH HER FRIENDS. SHE CHANGED SCHOOLS, BECAME DEPRESSED, AND IN 2012 COMMITTED SUICIDE.

GENERATION ZEITGEIST

YOUR DIGITAL FOOTPRINT

2



HOW AND WHY DO PEOPLE USE THE INTERNET?

WHAT DOES OUR DIGITAL IDENTITY LOOK LIKE?

HOW DO WE GO "VIRAL"?

IN REAL LIFE AND YOUR DIGITAL IDENTITY

OUR ONLINE IDENTITY IS SHAPED & RE-SHAPED BY DYNAMIC ACTIONS ONLINE ON MULTIPLE PLATFORMS, EVEN WHEN WE SLEEP IN REAL LIFE. THIS DIGITAL CULTURE HAS SPAWNED IT'S OWN LANGUAGE, BEHAVIORS, ACTIONS, LAWS & OTHER CULTURES THAT SHAPES WHAT HAPPENS IN REAL LIFE.

DOOM SCROLLING AND THE USE OF SOCIAL TECH

ALMOST CONSTANTLY

OVERALL, 85% OF AMERICANS SAY THEY GO ONLINE ON A DAILY BASIS

48% SEVERAL TIMES A DAY

61% ONCE A DAY

71% NOT AT ALL

81% SEVERAL TIMES/WEEK

ORIGINALLY WE WENT ON THE WEB SEEKING INFORMATION. THE SOCIAL WEB CONNECTED US TO EACH OTHER ACROSS THE GLOBE

TEEN USE OF THE INTERNET

MOST TEENS WHO USE CELLPHONES DO IT TO:

- JUST PASSING TIME
- CONNECTING WITH OTHER PEOPLE
- LEARNING NEW THINGS
- AVOIDING INTERACTION WITH PEOPLE

CRAFTING YOUR DIGITAL SELF

WHAT ARE PEOPLE CALLED? HOW ARE THEY DESCRIBED IN DIGITAL CULTURE?

AVATARS, INFLUENCERS, NETIZENS, USERS, PERSONALITIES

A COMBINATION OF SELF-CREATED, DISCLOSED INFORMATION AND INFORMATION AGGREGATED FROM OUR INTERACTIONS ONLINE TRACKED USING COOKIES, LIKES, SHARES, RETWEETS, COMMENTS, ALGORITHMS TRACK YOUR LIKES TO GAUGE YOUR ENGAGEMENT WITH ONLINE CONTENT. TEENS CREATE DAILY CONTENT ON TIKTOK AND INSTAGRAM TO SHARE WITH THEIR ONLINE COMMUNITY. SOMETIMES IT GOES VIRAL.

CAUTIONARY TALE: CATFISHING

IN 2012, 28-YEAR OLD TREMAIN HUTCHINSON FROM ATLANTA USED TEEN CHAT SITE TAGGED.COM PRETENDING TO BE A CUTE 16-YEAR-OLD BOY CALLED "MARIO", "QUAN" OR "MONEY". HE WOULD ENTICE GIRLS 11-17 TO SEND HIM NAKED PHOTOS. HE WAS TARGETING DOZENS OF VICTIMS. AFTER HIS ARREST, HE ADMITTED TO EXTORTING 16 CHILD VICTIMS AND RAPING 4 GIRLS HE MET ONLINE WHILE PRETENDING TO BE A TEENAGE BOY. YOUNGEST RAPE VICTIM WAS 11

YOUR DIGITAL IDENTITY

WHO AM I ONLINE?

WHO IS USING MY DATA?

WHO IS WATCHING ME?

HOW CAN I BE ONLINE AND STILL BE PRIVATE?

TO DO

1 CHECK THE WEBSITE "I HAVE BEEN PWNED" TO SEE IF ANY OF YOUR PASSWORDS HAVE BEEN EXPOSED IN A DATA BREACH.



2 OR CHECK NAMECHECK.COM OR KNOWEM TO LOCATE YOUR USERNAMES, PRIOR/OLD ACCOUNTS AND OTHER ACCOUNTS THAT LOOK LIKE YOU.



a NETWORK of DATA POINTS

YOUR DATA, YOUR DIGITAL IDENTITY

THE DARK WEB & YOUR DATA

DEEP FAKES & IDENTITY FRAUD

CAUTIONARY TALE: WHAT YOUR DIGITAL FOOTPRINT SAYS TO OTHERS?



DIGITAL IDENTITY CAN BE EXPOSED THROUGH UNSECURED WEBSITES, PHISHING ATTEMPTS, WEAK PASSWORDS, LOCATION SHARING-SETTINGS, BROWSER COOKIES, ETC.

THIS DATA IS RECORDED, STORED, AND MAINTAINED IN SYSTEMS OF CENTRALISATION. HACKERS CAN BREACH THESE SYSTEMS.

THE DARK WEB IS A MARKETPLACE OF PERSONAL, PRIVATE DATA USED TO EXPLOIT & GAIN ACCESS TO YOUR IDENTITY. IDENTITIES ARE TRADED & SOLD. JUST ONE/TWO PIECES OF IDENTITY DATA CAN BE USED TO ACCESS YOUR ACCOUNTS.

"DEEFAKE" IS USED TO DESCRIBE DIGITAL REPRESENTATIONS (VIDEO & IMAGES) PRODUCED USING ARTIFICIAL INTELLIGENCE TO REPLACE VIDEO AND AUDIO.

CELEBRITIES, POLITICIANS AND OTHER PEOPLE HAVE HAD THEIR LIKENESSES USED IN DEEFAKES FOR IDENTITY THEFT, SHAMING, EXPLOITATION AND OTHER FRAUDS.

FRAUDSTERS CAN GAIN ACCESS TO PERSONAL DATA IMAGES & VIDEO FROM YOUR TIKTOK, INSTA, ETC. ALL THIS DATA IS USED TO CREATE DEE FAKES OF YOUR IDENTITY.

NEVER HAPPENED!

IN 2021, ALEXI MCCAMMOND WAS HIRED AS TEEN VOGUE'S EDITOR IN CHIEF. BACK IN 2011, SHE HAD MADE SOME RACIST TWEETS ABOUT ASIANS THAT SURFACED AMID #STOPASIANHATE SOCIAL CAMPAIGN AND HER HIRING PROCESS. TWENTY STAFFERS OF THE PUBLICATION OPPOSED HER HIRING. BACKLASH CAME FROM ONLINE, BUT ALSO FROM ADVERTISERS WHO PAUSED CAMPAIGNS. MCCAMMOND WALKED AWAY AND TEEN VOGUE MOVED ON. WHAT YOU PUBLISH ONLINE STAYS PUBLIC, EVEN IF YOU DELETE IT.

#STOPASIANHATE #TEENVOGUE

LIFESTREAMING: TEEN / INFLUENCER CULTURE

LIFE OF GRUMPY CAT → I HAD FUN ONCE.

APRIL 4, 2012 BORN

SEPT 23, 2012 OWNER POSTS PICTURES ON REDDIT

FEATURED IN MULTIPLE MEDIA

SEPT 17, 2013 HIRED AS "SPOKESCAT" FOR CATFOOD BRAND

BECOMES A CULTURAL PHENOMENON

FANS LINED UP TO SEE HER

IN 2019 GRUMPY CAT DIES AGE 7. HER DEATH WAS COVERED BY THE BBC, CNN, ETC.

R.I.P.

SHE HAD 1.5 MILLION FOLLOWERS ON TWITTER, 2.4 ON INSTAGRAM & 8.5 ON FACEBOOK

HOW DOES SOMETHING GO "VIRAL"?

WHAT IS AN "INFLUENCER"?

HOW DO PLATFORMS MONETIZE USERS?

USERS ARE THE CURRENCY

HOW?

PLATFORMS COLLECT DATA. EVEN WATCHING A MOVIE AT HOME GENERATES PERSONAL DATA. THIS INCLUDES SENSITIVE INFORMATION LIKE HEALTH RECORDS, SOCIAL SECURITY NUMBER, LOCATION DATA, ETC.

WEBSITES RECORD CLICKS AND THE MOVEMENTS OF YOUR MOUSE

YOUR ACTIVITY DATA IS THEN SOLD TO COMPANIES.

YOU KNOW IT WHEN YOU START SEEING SIMILAR CONTENT FOR SEVERAL DAYS IN YOUR TIMELINE AFTER YOU SEARCHED FOR SOMETHING.

LIFESTREAMING & DIGITAL INFLUENCERS

AS SOCIAL MEDIA PLATFORMS HAVE GROWN, SO HAVE AVENUES TO GENERATE INCOME. MANY YOUNG PEOPLE NOW LOOK AT THESE CHANNELS AS A PROFESSION.

YOUTUBER

INSTA INFLUENCER

TRY THIS!

THEY GET PAID TO PROMOTE CERTAIN PRODUCTS & BRANDS.

INFLUENCERS CAN ALSO FAKE THEIR BODY, BACKGROUND, BELONGINGS & RELATIONSHIPS. THEY CAN BUY FOLLOWERS TOO.

ORDINARY USERS CAN FEEL INSECURE ABOUT THEIR BODIES, BACKGROUND & RELATIONSHIP STATUS. THEY CAN'T HELP TO COMPARE.

THE FANS HAVE THE POWER

ON PLATFORMS SUCH AS INSTAGRAM, FACEBOOK, TWITTER, REDDIT, TUMBLR, TIKTOK, YOUTUBE, ETC., A SIZEABLE POPULATION OF USERS BELONG TO FAN GROUPS.

THEY ARE HIGHLY COORDINATED AND SKILLED AT MOBILIZING AND SOME FANBASES HAVE USED THESE SKILLS FOR ONLINE ACTIVISM.

IN 2020, SOUTH KOREAN BOY GROUP BTS DONATED \$1 MILLION TO BLACK LIVES MATTER. THEIR FANS, KNOWN AS BTS ARMY FOLLOWED THEIR LEAD DONATED EVEN MORE TO THE SAME CAUSE.

SOCIAL MEDIA BODY & IMAGE

SOCIAL INFLUENCERS SPEND HOURS TO MAKE THEIR WORK LOOK EFFORTLESS.

I woke up like this

COOL!

391

WOW

SELFIES:

- A SOCIAL CURRENCY
- A FEEDBACK LOOP FOR SELF-IDENTITY AFFIRMATION
- A PROMOTIONAL TOOL
- A WAY TO PRESERVE MEMORY.

HOWEVER:

- OBSESSING OVER SOCIAL IMAGE CAN LEAD TO SERIOUS ISSUES: EATING &/OR ANXIETY DISORDERS AND DEPRESSION.
- NEGATIVE COMPARISONS
- UNREALISTIC IDEALS OF APPEARANCE

CAUTIONARY TALE: HOW THE INTERNET COLLECTS DATA

IN 2012, A HIGH SCHOOL GIRL BEGAN RECEIVING COUPONS FROM TARGET FOR BABY PRODUCTS. FURIOUS, HER FATHER WENT TO COMPLAIN BUT HAD TO APOLOGIZE:

HIS DAUGHTER WAS PREGNANT AND TARGET FOUND OUT BEFORE SHE TOLD HER FAMILY.

BASED ON HER BROWSING ACTIVITY, TARGET HAS THE TECHNOLOGY TO FIGURE OUT APPROXIMATE DUE DATES.

SURVEILLANCE / BIG BROTHER

VIDEO SURVEILLANCE TIMELINE



WHAT KIND OF DATA IS COLLECTED ABOUT ME?

HOW CAN I BE PRIVATE ON THE WEB?

SHOULD I POST THAT?

YOUR DATA IS VALUABLE

IN INFORMATION AGE, USER DATA IS THE COIN OF THE REALM. DATA → AN EXTREMELY VALUABLE ASSET FOR TRACKING CUSTOMERS & TARGETING THEM WITH ADS.



COOKIES AND TRACKING TOOLS HARVEST YOUR DATA AND RESELL IT TO MARKETERS, THIRD PARTIES AND OTHERS.

TEENS DISCLOSE A LOT OF PERSONAL INFORMATION FOR SOCIAL BENEFIT, BUT ALSO USE FALSE PERSONAL INFO TO GET ACCESS ON COMMERCIAL SITES.

OVERSHARING & TMI

TEENS ADOPT A "RISK-BENEFIT" ANALYSIS TO THEIR CHOICES ABOUT WHAT AND WHERE TO SHARE. THEIR CHOICES DEPEND ON CONTEXT & TRADE-OFFS TO CONTROL THE SOCIAL SITUATION.



WHAT YOU CAN'T CONTROL AND WHAT YOU CAN

STUFF GETS OUT



HOW DO YOU JUDGE WHAT TO POST? HOW TO POST IT? AND WHERE?

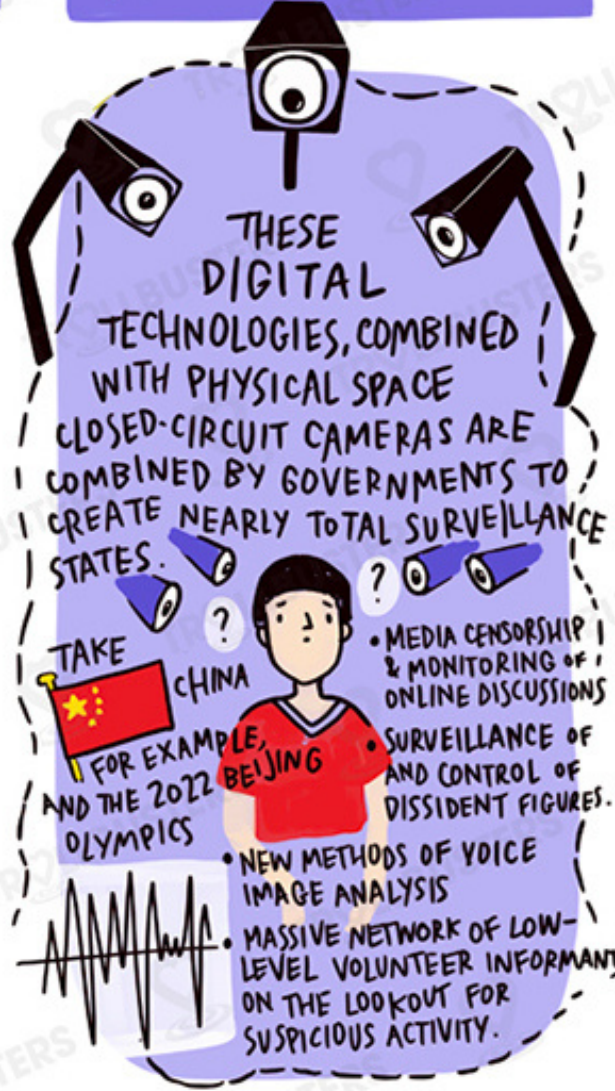
OTHERS CAPTURING YOUR BAD TAKE BEFORE YOU DELETE IT AND RESHARING IT!

YOU CAN'T CONTROL

AND YOU CAN CONTROL



ONLINE & PHYSICAL SURVEILLANCE



CAUTIONARY TALE: PRIVACY



DIGITAL HARM & YOUR DEVICES

- STAY SAFE ONLINE IN 10 STEPS
- UPDATE YOUR DEVICES
- KEEP YOUR APPS UP TO DATE
- BACK UP YOUR VALUABLE DATA
- USE A PASSWORD MANAGER
- KEEP YOUR ACCOUNTS INFORMATION UP TO DATE
- USE A 2-FACTOR AUTHENTICATION FOR IMPORTANT ACCOUNTS
- USE SECURITY KEYS FOR VITAL ACCOUNTS
- RESPECT BROWSER SECURITY WARNINGS
- REVIEW YOUR PRIVACY SETTINGS
- CONFIGURE YOUR COMPUTER SECURITY SOFTWARE

WHERE AM I LEAKING DATA?

HOW CAN FOLKS TRACK MY LOCATION?

WHERE ARE THE HOLES IN MY SECURITY?

GEOLOCATION DATA & THREATS

ONLINE PRIVACY

FINANCIAL PRIVACY

MEDICAL PRIVACY

POLITICAL PRIVACY

TYPES OF DATA PRIVACY

FITNESS, HEALTH AND OTHER DIGITAL DEVICES COLLECT A HUGE AMOUNT OF DATA ABOUT US. AIRTAGS USE RADIO-FREQUENCY IDENTIFICATION (RFID) TECHNOLOGY TO HELP YOU FIND ITEMS YOU HAVE MISPLACED. HOWEVER, IN GENERAL IT'S GOOD TO NOT HAVE LOCATION DATA TURNED ON ALL THE TIME. GO TO SETTINGS > PRIVACY > CHOOSE "LIMIT AD TRACKING"

SELFIES & PHOTO METADATA

THAT SELFIE YOU TOOK?

METADATA

THEMES

AUTHOR

FILE NAME

GPS LOCATION

PHOTO RESOLUTION

CAN BE USED TO TRACK YOUR LOCATION AND FIND YOU IN PHYSICAL SPACE

CAN BE SO GOOD THAT HACKERS CAN PICK UP YOUR FINGERPRINTS

MOST PHONES AUTOMATICALLY DISCLOSE LOCATION DATA

YOUR ISP CAN TRACK YOU AND SELL DATA TO THIRD PARTIES

YOUR CREDIT CARD ACTIVITY IS ALSO SOLD

YOUR GPS LOCATION IS USED FOR ADS

YOUR EMAILS ARE SCANNED TO SERVE ADS

NETWORK CONNECTION & HACKING

PUBLIC & FREE WIFI

MAY EXPOSE YOU TO VULNERABILITIES

MAYBE CONNECTING TO A FAKE PORTAL!

INTERCEPTING YOUR COMMUNICATION BETWEEN YOU AND SERVERS WHERE WEB CONTENT RESIDES

ONLY BROWSE https - AND AVOID WEBS STARTING WITH 'HTTP'! https are ENCRYPTED

HITP

LEAKY APPS & OTHER VULNERABILITIES

APP LEAKS INVOLVE THE UNAUTHORIZED TRANSFER OF SENSITIVE INFORMATION TO AN INTERNET SERVICE.

ON OUR MOST INTIMATE DEVICES APP LEAKS CAN BE "KEYS TO THE KINGDOM" FOR ATTACKERS

CAUTIONARY TALE: WHO IS WATCHING ME?

SEPTEMBER 2010. TYLER CLIMENTI (18) STARTED CLASSES AT RUTGERS UNIVERSITY. OTHER STUDENTS KNEW HE HAD BEEN MISTREATED BUT FAILED TO REACH OUT TO HIM. HIS ROOMMATE USED A WEBCAM TO SECRETLY FILM TYLER'S ROMANTIC EXCHANGE WITH ANOTHER MAN IN THEIR DORM ROOM. THEN HE POSTED THE VIDEO ON TWITTER, ENCOURAGING FOLLOWERS TO VIEW IT. JUST DAYS LATER, TYLER JUMPED OFF THE GEORGE WASHINGTON BRIDGE COMMITTING SUICIDE.

CONNECTION ON THE WEB

DEVELOPMENT OF VIRTUAL REALITY

- 1957 MORTON HEILIG INVENTS SENSORAMA MACHINE, A CABINET-SIZED SIMULATOR COMBINING 3D FILM WITH SOUNDS, SMELLS & VIBRATION
- 1968 PROFESSOR IVAN SUNDERLAND CREATES 'THE SWORD OF DAMOCLES' - A STEREOSCOPIC HEADSET THAT MAKES USERS EXPERIENCE SITTING IN A VIRTUAL ROOM
- 1984 EX-ATARI RESEARCHERS JASON LANIER & TOM ZIMMERMAN FOUND VPL RESEARCH, GOING ON TO RELEASE THE DATA GLOVE INPUT SYSTEM & EYEPHONE HEADSET
- 1992 NEAL STEPHENSON PUBLISHES HIS INFLUENTIAL SCI-FI NOVEL SNOW CRASH IN WHICH CHARACTERS USE VIRTUAL REALITY TO VISIT METAVERSE'S ONLINE HIGH STREET
- 1995 NINTENDO RELEASES VIRTUAL BOY, A \$180 3D HEADSET. INDUCING NECK PAIN & NAUSEA, IT FLOPS WITHIN A YEAR
- 2011 'READY PLAYER ONE', A SCI-FI NOVEL BY ERNEST CLINE, REVIVES INTEREST IN VR WITH THE DEPICTION OF THE OASIS, A VAST VIRTUAL UNIVERSE
- 2014 FACEBOOK BUYS 'OCULUS' FOR \$2bn. CREATED BY TEENAGER PALMER LUCKEY
- 2016 MASS-MARKET VR ARRIVES (AGAIN) WITH OCULUS RIFT SET FOLLOWED BY HTC'S VIVE AND SONY'S PLAYSTATION VR

WHAT MOTIVATES USERS TO DIGITAL SPACES?
 IS THE WEB REALLY A MIRROR FOR REALITY?
 CAN ONLINE BEHAVIOR AFFECT ME IRL?

VIRTUAL REALITY AND BELONGING

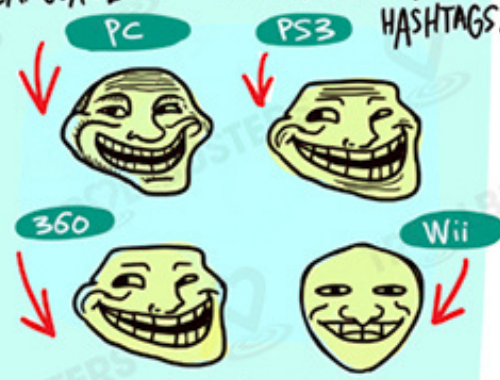
TO DREAM, TO LEARN, TO CONNECT.
 TECHNOLOGIST JARON LANIER IMAGINED THIS METAVERSE AS THE CREATOR OF VR. "It is the real us, available for direct inspection for the first time."



OUR collective shades are now open. We see the mundanity, the avarice, the ugliness, the perversity, the loneliness, the love, the inspiration, the serendipity, and the tenderness that manifest in humanity. Seen in proportion, we can breathe a sigh of relief. We are basically OK."

STICKY INTERFACE BY DESIGN

AS CONSUMERS USING THESE NEW DEVICES AND SOFTWARE, WE ARE CREATING THE SOCIAL RULES AND NORMS OF BEHAVING IN DIGITAL SPACES. WE ARE CREATING NEW VISUAL LANGUAGES THROUGH MEMES, EMOJIS, HASHTAGS...



SOCIAL MEDIA PLATFORMS LIKE FACEBOOK, TWITTER, INSTAGRAM, SNAPCHAT, TIKTOK HAVE BECOME PART OF THE FABRIC OF OUR LIVES. SOME PLATFORMS WERE DESIGNED TO FOSTER A SENSE OF COMMUNITY, BELONGING AND CONNECTION. OTHERS, LIKE REDDIT AND TUMBLR, ENCOURAGE NICHE COMMUNITIES.

FILTER BUBBLES & "TRUTH CIRCLES"



ALGORITHMS AND USER INTERFACE DESIGN DRIVE THE EXPERIENCES OF USERS AND THE CONTENT THEY SEE, THE CONNECTIONS THEY MAKE, THE SUGGESTED CONTENT AND PURCHASES. ALGORITHMIC BIAS KEEP US ENGAGED IN PUTTING ENERGY AND ATTENTION IN THE ONLINE ECONOMY. LANIER WARNED THAT VIRTUAL TECHNOLOGIES CAN BE WIELDED IN DANGEROUS WAYS.

WHAT'S TO STOP AN ONLINE MASS OF ANONYMOUS BUT CONNECTED PEOPLE FROM TURNING INTO A MEANMOB?

ONLINE THREATS, IRL CONSEQUENCES



RECENT COUNTER PROTESTS TO BLACK LIVES MATTER, QANON CONSPIRACIES, THE JANUARY 6TH INSURRECTION AT THE U.S. CAPITOL AND NEW PLATFORMS LIKE PARLER HAVE DEMONSTRATED HOW THESE "BUBBLES" CAN BE USED AND WEAPONIZED FOR ONLINE



COORDINATED COUNTERPROTESTS AND THREATS. ANONYMOUS BAD ACTORS TAKE DIGITAL SLEUTHING TO NEW LEVELS. AMATEUR ONLINE SLEUTHS HAVE Outed THE IDENTITY OF BAD KARENS CAUGHT ON SOCIAL OR TO STALK AND DISSECT RELATIONSHIPS AS IN THE CASE OF WEST ELM CALEB, AN ORDINARY GUY.

CAUTIONARY TALE: RECRUITED FOR HATE

ONE ANONYMOUS PARENT DESCRIBES HOW THEIR THIRTEEN-YEAR-OLD SON JOINED THE ALT-RIGHT. ABOUT SEXUAL MORPHED AND FEELING. A MISUNDERSTANDING HARASSMENT AT SCHOOL INTO SAM'S ALIENATION,



"BETRAYED BY THE ADULTS HE TRUSTED."

SAM BECAME DEEPLY IMMERSSED IN ONLINE CONVERSATIONS WITH WHITE SUPREMACISTS & PLEADED WITH HIS PARENTS TO ATTEND A RALLY IN WASHINGTON D.C. HE EVENTUALLY LEFT THE GROUP.

"I KNEW LIKING THEM WAS WRONG. BUT WANTED TO LIKE THEM BECAUSE EVERYONE ELSE HATED THEM. [...] ALL I WANTED IS FOR PEOPLE TO TAKE ME SERIOUSLY."

SITUATIONAL AWARENESS

COLOR CODE OF AWARENESS



YELLOW (SITUATIONALLY AWARE)



ORANGE (POTENTIAL THREAT)



RED (READY TO FIGHT)



WHAT DOES DIGITAL GROOMING LOOK LIKE?

HOW DO YOU RESPOND IN A DANGEROUS SITUATION?

HOW DO YOU USE YOUR MOBILE DEVICE SAFELY?

WHAT DOES DIGITAL GROOMING LOOK LIKE?

RED FLAGS TO WATCH OUT FOR

HOW TO USE YOUR MOBILE DEVICE SAFELY?

HOW TO REACT IN A DANGEROUS SITUATION?

CAUTIONARY TALE: SEXTING & EXTORTION

PREDATORS

GROOMING IS WHEN AN ADULT BEFRIENDS A MINOR WITH THE INTENT OF SEXUALLY EXPLOITING THEM.

CAN FAKE IDENTITIES TO LURE VICTIMS & START CONVERSATION

ONCE TRUST IS ESTABLISHED, THEY START REQUESTING SEXUAL EXCHANGES (CONVERSATIONS, PICTURES & VIDEOS)

93.4% ASKED FOR IMAGES FROM THE YOUNG PERSON

IF IT MAKES YOU UNCOMFORTABLE, IT MIGHT BE A RED FLAG

STALKING, BULLYING AND HARASSMENT CAN HAPPEN IN MANY WAYS:

- USERS THAT FOLLOW ALL OF YOUR SOCIAL MEDIA ACCOUNTS
- FAKE ACCOUNTS FOLLOWING YOU
- USERS THAT COMMENT ON EVERYTHING YOU POST

SOME ONLINE BEHAVIORS MIGHT LOOK HARMLESS IN THE BEGINNING BUT MIGHT TRANSITION TO MORE SEVERE FORMS OF HARASSMENT:

- RELEASING YOUR CONFIDENTIAL INFORMATION
- CREATING POST TO SHAME YOU
- ASK FOR SEXUALLY EXPLICIT PHOTOS
- POST YOUR REAL/FAKE PHOTOS WITHOUT YOUR CONSENT

- UNLESS YOU ARE AN INFLUENCER, CONSIDER KEEPING YOUR SOCIAL MEDIA ACCOUNT PRIVATE.
- IF YOU HAVE A PUBLIC ACCOUNT, AVOID SHARING DETAILS THAT MIGHT GIVE AWAY YOUR CURRENT LOCATION. SHARE IT AFTER YOU LEAVE.
- IF YOU ARE RECEIVING HATEFUL COMMENTS ON A POST CONSIDER REPORTING THE USER. SIMPLY TURN OFF COMMENTS OR BLOCKING MAY NOT BE ENOUGH.
- IF YOU FIND CERTAIN WORDS TRIGGERING, CONSIDER MUTING THEM OR BLOCK ACCOUNTS THAT CONSISTENTLY POST CONTENT REGARDING THAT.

SPOT THE PREDATOR

THEY LOOK FOR PEOPLE EASY TO INTIMIDATE. THEY GO FROM STARING → VERBAL ABUSE → PHYSICAL VIOLENCE

APPROACH THEM ONLY IF THEIR BEHAVIOR IS ACCEPTABLE

TRANSITION FROM THE CURRENT ENVIRONMENT TO A SAFER ONE.

2 C REATE A PLAN OF ACTION IF SOMEONE MAKES YOU UNCOMFORTABLE

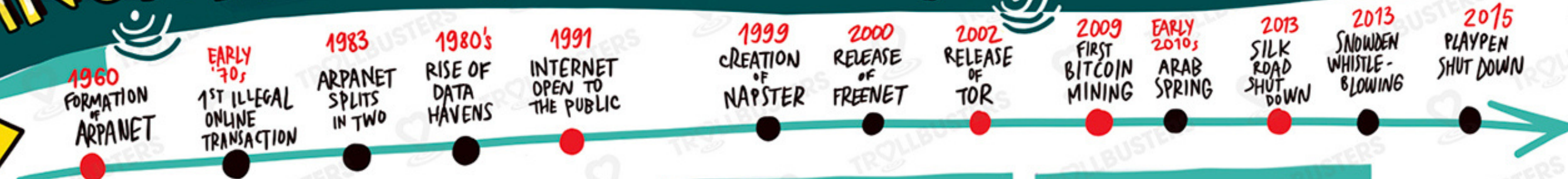
PHYSICAL FOR WORST CASE SCENARIO YOU MIGHT HAVE TO FIGHT THE PREDATOR. LEARN SOME SELF-DEFENSE TRICKS!

MARCH 2021

RILEY BASFORD, 15, FROM POTSDAM, NY - DEVELOPED A RELATIONSHIP WITH A FACEBOOK USER - SENT THEM PERSONAL PHOTOS, THE USER ASKED FOR \$3,500 OR THEY WOULD POST THE PHOTOS TO FAMILY AND FRIENDS ON SOCIAL MEDIA. WITHIN HOURS OF BEING THREATENED, RILEY COMMITTED SUICIDE.

GENERATION ZEITGEIST ANONYMITY, IDENTITY, AUTHENTICITY

HISTORY OF THE DARK WEB



HOW CAN YOU SPOT FAKES & BOTS?

WHAT DO TROLLS LOOK LIKE?

WHO LURKS IN ONLINE COMMUNITIES?

ARE YOU REAL? LIKE, FOR REAL REAL?

YOUR ACTIONS ARE USED FOR MARKETING & COMMERCIAL PURPOSES

BUT

YOUR DIGITAL TRACES CAN ALSO GIVE CLUES TO ANONYMOUS BAD ACTORS SEEKING TO RECRUIT OR GROOM YOU ONLINE.



WHAT DO TROLLS LOOK LIKE?

MISINFORMATION, DISINFORMATION, IMPOSTER ACCOUNTS, AND HIJACKED SOCIAL ACCOUNTS ARE USED SO THAT WE DON'T KNOW WHO IS SPEAKING.



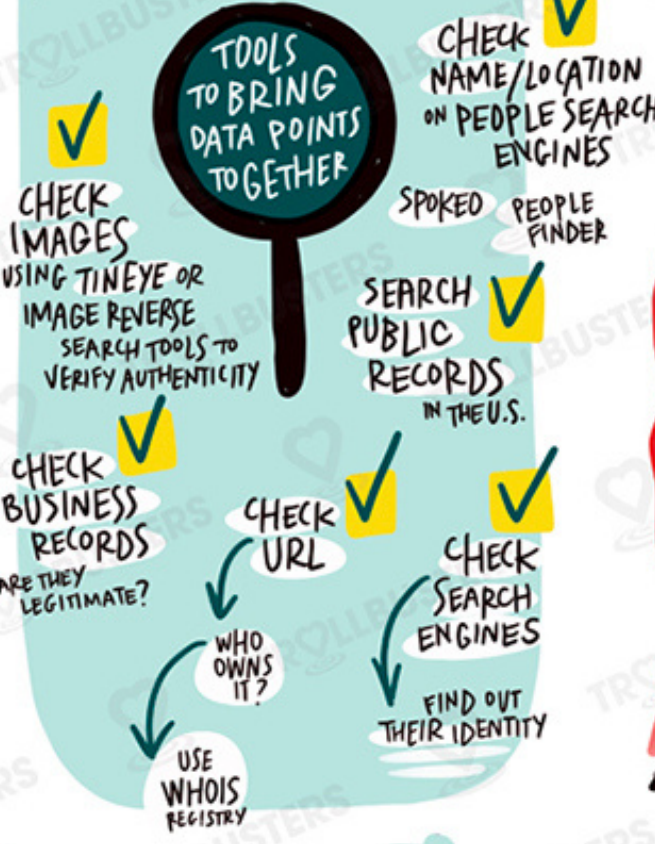
EMOJIS, MEMES & SIGNALING ON THE WEB

PEPE THE FROG - CONSIDERED A SYMBOL OF HATE... AND LOVE?



OPEN-SOURCE INTELLIGENCE TOOLS

IMAGES & POSTS PROVIDE LOTS OF DATA FOR MARKETERS AND PROVIDE CLUES TO USER IDENTITY.



CAUTIONARY TALE: A WOLF IN SHEEPS CLOTHING



13-YEARS OLD ALICIA KOZAKIEWICZ WALKED OUT OF HER PARENTS HOME IN A QUIET PITTSBURGH, PENNSYLVANIA SUBURB TO MEET A MAN SHE HAD BEEN CHATTING WITH ONLINE FOR SEVERAL MONTHS. AFTER GETTING INTO HIS CAR, ALICIA REALIZED HER "ONLINE FRIEND" WAS A CHILD PREDATOR. SCOTT TYREE, A 38-YEAR-OLD MAN, DROVE HIS YOUNG VICTIM HUNDREDS OF MILES TO HIS HOUSE IN VIRGINIA & KEPT THE HOSTAGE IN THE BASEMENT FOR FOUR DAYS UNTIL THE FBI LOCATED AND SAVED THE GIRL.

- TALK WITH YOUR PARENTS ABOUT ONLINE ACTIVITIES
- WHAT ONLINE RULES ARE WISE?
- DO STRICT PRIVACY SETTINGS MAKE SENSE?

CHECK YOUR SOURCES

HOW TO SPOT "FAKE NEWS"

1 CONSIDER THE SOURCE
CLICK AWAY/ INVESTIGATE!

2 READ BEYOND
WHAT'S THE WHOLE STORY?

3 CHECK THE AUTHOR
ARE THEY CREDIBLE OR REAL?

4 SUPPORTING SOURCES?
DOES THE INFO GIVEN ACTUALLY SUPPORT THE STORY

5 CHECK THE DATE
REPOSTING OLD NEWS MAY NOT BE RELEVANT TODAY

6 IS IT A JOKE?
TOO OUTLANDISH? MIGHT BE SATIRE RESEARCH SITE + AUTHOR TO BE SURE

7 CHECK YOUR BIASES
ARE YOUR OWN BELIEFS AFFECTING YOUR JUDGMENT?

8 ASK THE EXPERTS
ASK A LIBRARIAN, OR CONSULT A FACT-CHECKING SITE

WHAT ARE THE SOURCES OR EVIDENCE?

CAN YOU SPOT "FAKE NEWS"?

DO YOU KNOW YOUR CRAAP?

VERIFY the SOURCES

MASQUERADES, WHO DAT?

DO YOU KNOW YOUR C.R.A.A.P.?

CORRECTING the DIGITAL RECORD

CAUTIONARY TALE: FAKE NEWS, CONSPIRACY THEORIES

DISINFORMATION
IT'S FAKE OR MISLEADING INFORMATION CREATED & SPREAD DELIBERATELY TO HARM PEOPLE, INSTITUTIONS, & INTERESTS

THE TERM "FAKE NEWS" IS EXPANSIVE AND MEANS DIFFERENT THINGS TO DIFFERENT PEOPLE
FAKE WEBSITES OFTEN EARN ADVERTISING REVENUE FOR LURING PEOPLE TO CLICK ON THE CONTENT.

MISINFORMATION
THIS ALSO MEANS FAKE OR MISLEADING STORIES, BUT IN THIS CASE THE STORIES MAY NOT HAVE BEEN DELIBERATELY CREATED WITH THE INTENTION TO MISLEAD.

TRUE

OTHER FALSE OR MISLEADING INFORMATION CAN MASQUERADE AS LEGITIMATE NEWS.

- CLICKBAIT**: SENSATIONAL, WEIRD STORIES DRIVING CLICKS & SHARES
- PROPAGANDA**: FALSE/DISTORTED STORIES WRITTEN TO PROMOTE A POLITICAL AGENDA/BIASED PERSPECTIVE
- MISLEADING HEADLINES**: USED TO ENTICE READERS TO CLICK ON IT
EX. THE UNION THE DAILY MASH
- SATIRE OR PARODY**: SATIRICAL STORIES USE HUMOR, IRONY, OR EXAGGERATION TO JOKE ABOUT THE NEWS OF FAMOUS PEOPLE
- IMPOSTER CONTENT**: GENUINE NEWS SOURCES IMPERSONATED WITH FALSE, MADE-UP STORIES TO DECEIVE OR MISLEAD AUDIENCES
SOMETIMES WHOLE WEBSITES ARE SPOOFED TO LOOK REAL!

A TEST TO HELP YOU EVALUATE ONLINE & OFFLINE SOURCES

5 INDICATORS

- CURRENCY**: TIMELINESS OF THE INFORMATION IS IT OUTDATED?
- RELEVANCY**: THE IMPORTANCE OF THE INFORMATION TO YOUR CONTEXT
- AUTHORITY**: WHO IS THE AUTHOR? ARE THEY QUALIFIED TO WRITE ON THE TOPIC?
- ACCURACY**: WHAT TYPES OF SOURCES HAVE BEEN CITED? SPELLING/GRAMMAR MISTAKES?
- PURPOSE**: WHAT IS THE PURPOSE OF THE INFORMATION? INFORM OR PERSUADE?

YOU CAN'T BELIEVE EVERYTHING YOU READ!

MISUNDERSTANDING CAN CAUSE CONFUSION. PEOPLE MAY NOT KNOW IF THEY DO FEEL HAVE ENOUGH INFO.

WHAT TO DO

- DISPEL RUMOURS BY PROVIDING ACCURATE INFORMATION THROUGH APPROPRIATE CHANNELS
- SCHOOL ADMINISTRATIONS
- PRESS/MEDIA
- PRINT/WEBSITE CONTENT
- REGULARLY UPDATE INFORMATION ON THE WEB TO KEEP THE SEARCH ENGINES OPTIMIZED ON YOUR STORY.



2016 - POPULAR YOUTUBER MARINA JOYCE, 19, UPLOADED A VIDEO ON HER CHANNEL ADVERTISING SOME CLOTHES. CONSPIRACY THEORY: HER FANS ANALYZED THE VIDEO AND CLAIMED SHE HAD BEEN KIDNAPPED. #SAVEMARINAJOYCE WAS TRENDING, SHE WAS GETTING NATIONAL PRESS, OTHER YOUTUBERS WERE MAKING VIDEOS ABOUT HER, THE POLICE VISITED HER TWICE, SHE WAS SAFE. AFTER SHE DID MULTIPLE LIVESTREAMS ON FACEBOOK TO TELL EVERYONE SHE WAS FINE. SOME PEOPLE WERE PHOTOSHOPPING PICTURES OF HER WITH "HELP ME" FAKE VIDEOS & TWEETS WERE MADE AS IF THEY WERE FROM HER. #BOYCOTT MARINAJOYCE STARTED TRENDING AS PEOPLE ACCUSED HER OF STAGING IT.

MEASURING SUCCESS ON THE WEB

MOST POPULAR SOCIAL NETWORKS AS OF OCTOBER 2021 RANKED BY NO. USERS IN MILLIONS



WHAT IS AN INFLUENCER?
 CAN I MAKE MONEY ON THE WEB?
 SHOULD I BELIEVE THE HYPE?

FROM USER TO CREATOR

USERS DRAMATIZE AND HYPE THEIR LIVES AND EXPERIENCES TO ONLINE AUDIENCES FOR LIKES, DOLLARS, LOVE & ATTENTION

ALSO, U.S. TEENS SAY ABOUT SOCIAL MEDIA:

- 81% I FEEL MORE CONNECTED TO FRIENDS
- 69% I THINK IT HELPS TEENS INTERACT WITH A MORE DIVERSE GROUP OF PEOPLE
- 68% I FEEL LIKE I HAVE PEOPLE WHO WILL SUPPORT ME THROUGH TOUGH TIMES
- AROUND 4-IN-10 SAY THEY FEEL PRESSURE TO ONLY POST CONTENT ON SOCIAL MEDIA THAT MAKES THEM LOOK GOOD TO OTHERS (43%) OR SHARE THING THAT WILL GET A LOT OF LIKES/COMMENTS (37%)

MEASURING SUCCESS ON THE WEB

THE CURRENCY OF THE REALM IS ATTENTION.

SOCIAL MEDIA BADGES REWARD SOCIAL INFLUENCERS WHO AMASS FOLLOWERS AND BECOME HUBS IN THE ONLINE INFORMATION NETWORK.

A LOT OF TIMES VIRAL CONTENT IS CREATED AND IN A COORDINATED WAY.

PAID INTERNET TROLLS EXIST

PROMOTING IDEOLOGIES RELATED TO SCIENCE, POLITICS, RELIGION ETC

THESE COORDINATED CAMPAIGNS CAN SPREAD DISINFORMATION, HATE SPEECH & ABUSE

HAS SOCIAL MEDIA CHANGED YOU?

5 ANNOYING INSTA' HABITS

- #BACKTOTHEGRIND GYM SELFIES
- #MYBAE OVERPOSTING
- SLEEPING SELFIES #CUTE
- #LIKEALIKE #HUMBLE BRAGGING ON #TBT ABOUT YOUR CELEBRITY PHOTOBOOM #TOMCRUISE1

SOCIAL MEDIA HAS AMPLIFIED OUR WORST INSECURITIES & SOMEHOW FORCED US TO TRY TO LOOK GOOD ALL THE TIME.

"BEFORE INSTAGRAM, I ONLY WORE MAKE-UP DURING BIG EVENTS. NOW I CAN'T GO OUT OF THE HOUSE WITHOUT FOUNDATION & POWDER. AND I'M A GUY"

GETTING PAID (SORT OF)

CONTENT CREATORS AS YOUNG AS 7 HAVE CREATED BUSINESSES) AN GENERATED INCOME ON THE WEB. THE CONTENT CREATOR IS FUELED BY DIRECT COMMUNICATION WITH USERS.

HERE ARE SOME WAYS PEOPLE GET PAID ON YOUTUBE:

- SELL MERCHANDISE
- JOIN THE YOUTUBE PARTNER PROGRAM
- USE INFLUENCE TO PARTNER WITH BRANDS & SPONSORS
- CROWDFUND
- LICENSE THEIR CONTENT
- BECOME AN AFFILIATE MARKETER

CAUTIONARY TALE: OOPS! WE FOUND YOUR HOT TAKE

16-YEAR OLD NASH GRIER WAS THE MOST FOLLOWED USER ON SOCIAL MEDIA PLATFORM VINE. HE HAD MORE FOLLOWERS THAN JUSTIN BIEBER. A DREAMWORKS COMPANY WAS GOING TO MAKE A MOVIE WITH HIM. A VIDEO OF HIM SAYING A GAY SLUR IN 2013 RESURFACED, A HISTORY OF MAKING HOMOPHOBIC REMARKS SURFACED.

HE TOOK DOWN THE VIDEO AND POSTED AN APOLOGY.

#SORRY

A CULTURE OF DIGITAL SAFETY

3 WAYS TO DIRECTLY INTERVENE IN ABUSE

1 SEND SUPPORTIVE, AFFIRMING, OR CONSTRUCTIVE COMMENTS, MESSAGES OR # TO THE ABUSED PERSON

2 FACT-CHECK CLAIMS OR EXPOSE IMPERSONATION. YOU CAN ENCOURAGE OTHERS TO REPORT THE FAKE ACCOUNTS

3 PUBLICLY STATE WHAT IS AND WHAT IS NOT OK. CREATES NORMS ONLINE, AND HELP OTHERS

HOW TO BE A GOOD ALLY?

HOW TO DEVELOP DIGITAL RESILIENCE?

IF YOU SEE SOMEONE BEING HARASSED

TO BE A GOOD ALLY

BECOME A DIGITAL WARRIOR

PROTECT YOUR MENTAL HEALTH

CAUTIONARY TALE: SOME JOKES CAN BLOW UP



A 14-YEAR OLD BOY WHO JOKED ONLINE THAT HE WANTED TO BUILD A RUSSIAN AUTHORITY BUILDING IN MINECRAFT AND BLOW IT UP WAS SENTENCED TO 9 YEARS IN PRISON.



GENERATION ZEITGEIST

የትውልድ እሳቤ

ምንጮችዎን ያረጋግጡ

C.R.A.A.P. ገንዘብ ተቃራኒ?

"የውሸት ዜና" ማየት ይችላሉ?

ምንጮች ወይም ማስረጃዎች ምንድን ናቸው?

ገለጻው ያዎቻን ጠይቅ:

አድልዎዎን ያረጋግጡ:

ቀልድ ነው? ባጣም ያልተለመደ? አስቁኝ ሊሆን ይችላል:: እርግጠኛ ለመሆን ድርገጹን እና ጸሐፊውን መርምር

ቀኑን ያረጋግጡ: የድር ዜናዎችን እንደገና መለጠፍ ዛሬ ላይ ጠቃሚ ላይሆን ይችላል::

ደጋፊ ምንጮች:- የተሰጠው መረጃ ታሪኩን በትክክል ይደግፋል?

ደራሲውን አረጋግጥ: እምነት የሚጣልባቸው ናቸው ወይስ እውነተኛ?

ከዚህ በላይ አንብብ: መላው ታሪኩ ምንድን ነው?

1 ምንጩን ተመልከት

ሀሰተኛ መረጃ እንዴት እንደሚለይ

ምንጮችን አረጋግጥ

አስመሳይ? ይህ ማን ነው?

ምንጮችን የእርስዎን C.R.A.A.P ያውቁታል?

ዲጂታል መዝገቡን ማረም

ጥንቃቄ የተሞላበት ወራ: የውሸት ዜና፣ የሴራ ፅንሰ-ሀሳቦች

መረጃ ማዘጋጀት ሰዎችን፣ ተቋማትን እና ፍላጎቶችን ለመጉዳት ሆን ተብሎ የተፈጠረ እና የሚሰራጭ የውሸት ወይም አሳሳች መረጃ ነው::



የተሳሳተ መረጃ

ይህ ማለት ደግሞ የውሸት ወይም አሳሳች ታሪኮች ማለት ነው፣ ነገር ግን በዚህ ጊዜ ታሪኮቹ ሆን ተብሎ የተፈጠሩት ለማሳት በማሰብ ላይሆን ይችላሉ::

ሌሎች የውሸት ወይም አሳሳች መረጃዎች እንደ ህጋዊ ዜና ሊመስሉ ይችላሉ::



ጠቅ ለማድረግ የሚገፋፋ ስሜት ቀስቃሽ፣ እንግዳ ታሪኮች ወይ ጠቅታዎች እና ማጋራቶች የሚገኙ

ፕሮፓጋንዳ የውሸት/ አድልዎ; የፖለቲካ አመለካከትን ለማራመድ የተፃፉ/ የተዘቡ ታሪኮች

አሳሳች ናዕሳ ዜናዎች እርዕሱን ጠቅ እንዲያደርጉ እንባቢዎችን ለማሳሳት ይጠቅማል

አስቁኝ ወይም የቀልድ ምሳሌ ሽንኩርቱ እና ዕለታዊው ማሽ ቀልድ ታሪኮች በታዋቂ ሰዎች ዜና ላይ ለመቀለል ቀልድ፣ ምፀት ወይም ማጋነን ይጠቀማሉ

በመስመር ላይ እና ከመስመር ውጭ ምንጮችን ለመገምገም የሚያስችልዎት ፈተና

5 አመላካቾች

ምንዛሪ የመረጃው ወቅታዊነት ጊዜው ያለፈበት ነው?

ስልጣን ደራሲው ማን ነው? በርዕሱ ላይ ለመጻፍ ብቁ ናቸው?

ዓላማ የመረጃው ዓላማ ምንድን ነው?

አለመግባባት ግራ መጋባት ሊያስከትል ይችላል ሰዎች



ትክክለኛ መረጃን በተገቢው ጊዜ በማቅረብ ወራዎችን ማጥፋት

የትምህርት ቤት አስተዳዳሪዎች - ፕራሰ/ሚዲያ - የህትመት / የድር ጣቢያ ይዘት



2016- ታዋቂ የዩቲዩብ ተጫዋች ማሪና ጆይስ፣ የ19 ዓመቷ፣ እንዳንድ ልብሶችን የሚያስተዋውቅ ቪዲዮ በቻናል ላይ ለቀቀች:: የሴራ ፅንሰ-ሀሳብ: ደጋፊዎቿ ቪዲዮውን ተነተኑት እና እንደታገደች ተናገሩ:: #savemarinajoyce

መታየት የተለመደ የብሄራዊ ፕራሰ ተኩረት እያገኘች ነበር፣ ሌሎች የዩቲዩብ ተጠቃሚዎች ስለሷ ቪዲዮ እየሰሩ ነበር፣ ፖሊሶች ሁለት ጊዜ ጎበኝዋት፣ ግን ደህና ነበረች:: ደህና መሆኗን ለሁሉም ለመናገር በፊት ለብዙ የቀጥታ ስርጭቶችን ካደረገች በኋላ::

እንዳንድ ሰዎች "እርዳኝ" ከሚል ጽሑፍ ጋር የእርሷን ፎቶ ፎቶቻችን ያደርጉባት ነበር:: የውሸት ቪዲዮዎች እና ትዋቶች ከእርሷ እንደሆነ ተደርገው ተሰሩ:: ሰዎች ነገሩን አወዛገበችው ብለው ሲከሰት #ቦይትማሪናጆይስ ሀሽታግ ቦይት ማሪና ጆይስ ማድረግ ተለመደ::



Media Innovation Collaboratory



Michelle Ferrier, Ph.D.
President, IAWRT-International;
Founder, Troll-Busters.com; 3x...



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