



BY SOPHIE WANG AND TAYLOR M CRUZ



THIS IS A STORY ABOUT



### COMMUNITY RESISTANCE

**AGAINST** 







HOW THE EXISTING NARRATIVE

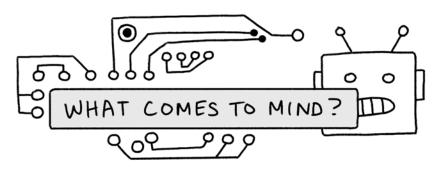


IT CONCERNS THE INTEGRATION OF AI, ALGORITHMS, AND MACHINE LEARNING INTO LOGISTICS WORK, SOMETIMES SIMPLY REFERRED TO AS

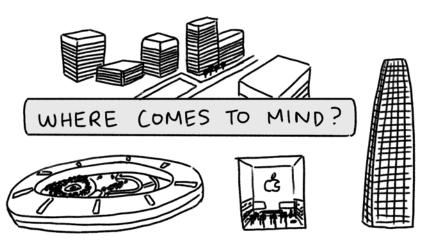
# AUTOMATION.



## WHEN YOU THINK OF AUTOMATION,







CONVERSATIONS AROUND AUTOMATION AND ALL CAN OFTEN BE ABSTRACTED, ESPECIALLY WHEN WE GET INTO QUESTIONS OF ETHICS AND EQUITY.



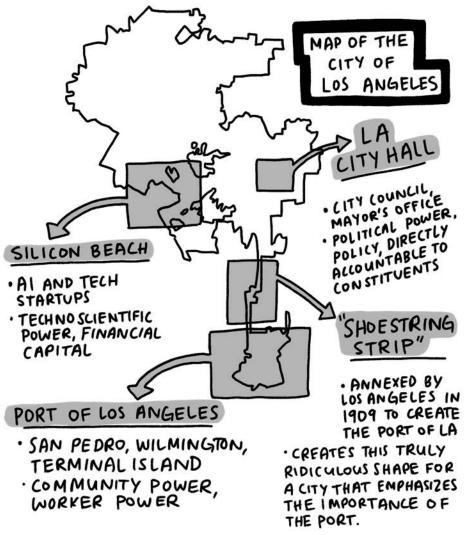
BUT AUTOMATION INVOLUES
REAL SITES OF PRODUCTION AND,
EVEN MORE IMPORTANTLY,
REAL SITES OF USE.

SO LET'S MAKE THIS A REAL STORY, WITH A REAL PLACE - A REAL WHO, WHAT, WHEN, WHERE, AND WHY.



### THIS IS A STORY ABOUT LOS ANGELES.

IT'S A STORY ABOUT HOW ARTIFICIAL INTELLIGENCE APPEARS IN MANY DIFFERENT PLACES IN MANY DIFFERENT WAYS ACROSS LA.



It'S A STORY ABOUT HOW POWER APPEARS IN DIFFERENT PLACES AND DIFFERENT WAYS ACROSS LA.

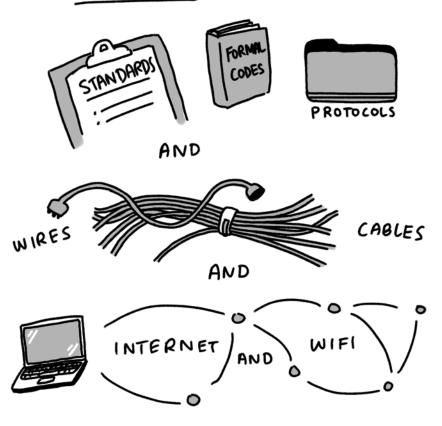
# IT'S ALSO A STORY ABOUT

PEOPLE AND TECHNOLOGIES THAT OTHER THINGS RELY ON, BUTTHAT OFTEN FAPE INTO THE BACKGROUND.

IT INVOLUES MANY CHARACTERS ...



### ... ARTIFACTS ...



... AND OFTEN TAKEN-FOR-GRANTED ARRANGEMENTS.



WITH SULH A CAST OF CHARACTERS TO CHOOSE FROM, HOW DO WE DECIDE WHERE TO START THIS STORY OF AL+

# AUTOMATIOM?

LET'S LOOK TO 2 SCHOLARS WHO PROVIDE USEFUL INSIGHT INTO HOW KNOWLEDGE IS MADE, WHO WE BELIEVE AND TRUST, AND WHERE TO START RESEARCH AND INQUIRY-SCHOLARS OF FEMINIST EPISTEMOLOGY, -THEORY OF KNOWLEDGE



THE PRODUCTION OF KNOULEDGE IS NOT VALUE-FREE, AND USUALLY RESPONDS TO AND REPRESENTS THE INTERESTS OF DOMINANT GROUPS, STARTING INSTEAD FROM THE LIVES OF THE OPPRESSED + EXPLOITED CAN PRODUCE LESS PARTIAL+ DISTORTED BODIES OF KNOWLEDGE.



COLLINS

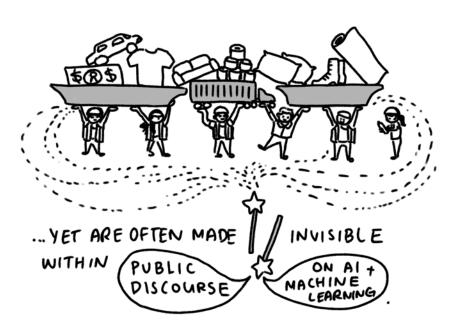
KNOWLEDGE FOR KNOWLEDGES SAKE IS NOT ENOUGH, CRITICAL SOCIAL THEORY MUST BE COMMITTED TO JUSTICE FOR ONE'S OWN GROUP AND OTHER GROUPS.

SO FOR US STARTING FROM THE LIVES OF THOSE WHO HAVEN'T BEEN DOMINANT IN THIS STORY OF AI AND AUTOMATION IS A POLITICAL STARTING POINT-



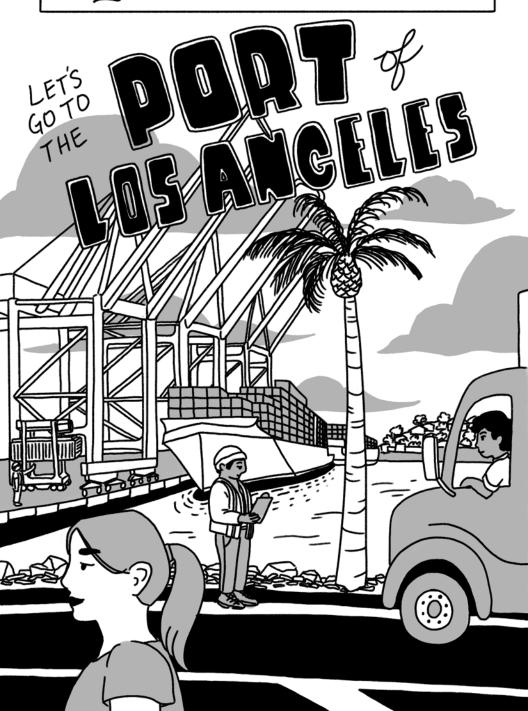
IN OUR PERSONAL VALUES OF SOLIDARITY AND WORKER JUSTICE, AND RESPECT FOR HUMAN DIGNITY AND WELLBEING, AND OUR COMMITMENT TO BUILDING A WORLD WHERE EVERYONE CAN THRIVE.

SO LET'S BEGIN THERE, WITH THE COMMUNITY MEMBERS SITUATED IN A WORKING-CLASS, RACIALIZED AREA WHO ARE PART OF KEY INFRASTRUCTURE FOR ALL OF SOCIETY...



PART CENTERING COMMUNITY

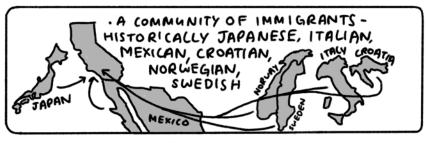
1 IN THE LA HARBOR



# THE PORT OF LA IS IN THE LA HARBOR AREA. WHO IS THIS COMMUNITY?











YOU'LL HEAR MORE ABOUT THEM IN THEIR OWN WORDS IN A MOMENT.

THIS IS A COMMUNITY THAT REMEMBERS AND MEMORIALIZES (AND LIONIZES) ITS



THESE NARRATIVES ARE NOT ONLY IN THE PAST THAT CURRENT WORKERS COME OUT OF, BUT KEPT ALIVE TODAY.

AND A BIG PART OF THESE STORIES IS HOW PREVIOUS PROMISES KEPT AND BROKEN BY DISTANT POLICY MAKERS AND EXPERTS HAVE

IRREVOCABLY CHANGED THE PEOPLE AND LANDSCAPE OF THE LA HARBOR REGION.



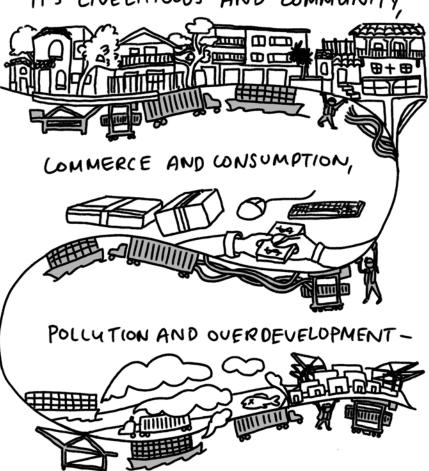
THOSE DECISIONS HAVE BROUGHT INDUSTRY
AND THUS JOBS AND INCOME TO THE COMMUNTY...



ONE KEY SITE FOR THE LA HARBOR (OMMUNITY IS THE PORT OF LOS ANGELES, AN ECONOMIC POWERHOUSE WITH OVER \$276 BIL NOVING THROUGH IT IN 2019, OF CARGO AND A MAJOR EMPLOYER OF LOCAL COMMUNITY MEMBERS.

AND WHAT THE PORT SUPPORTS AND CREATES IS, WELL, COMPLICATED-

IT'S LIVELIHOODS AND COMMUNITY



- OPPORTUNITY AS WELL AS HARM.

AND COMMUNITY MEMBERS CONFRONTED
THE THREAT OF AI, OFTEN SIMPLY DESCRIBED
IN THIS CONTEXT AS

# AUTOMATION.

IN 2016, THE PORT OF LA STARTED WORKING WITH DANISH SHIPPING CONGLOMERATE MAERSK TO UPGRADE CONTAINER SHIPS AND THE PORT TERMINAL, CONTRACTING WITH FINNISH AUTOMATION COMPANY KALMAR GLOBAL TO INTRODUCE AUTOMATED STRADDLE CARRIERS.



TRADITIONALLY DRIVEN BY LONGSHORE WORKERS.
AUTOMATION WOULD REMOVE HUMAN WORKERS FROM THIS JOB.

THIS AUTOMATION IS ALREADY HAPPENING AT PORTS AROUND THE WORLD, AS PART OF THE INTERCONNECTED GLOBAL SUPPLY CHAIN.



### ... AS WELL AS A LOCAL ONE.

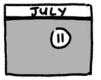
IN RESPONSE TO PERMIT APPROVAL REQUIREMENTS AND LOCAL COMMUNITY RESISTANCE, THE PORT OF LA HELD A SERIES OF PUBLIC HEARINGS -





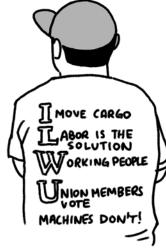






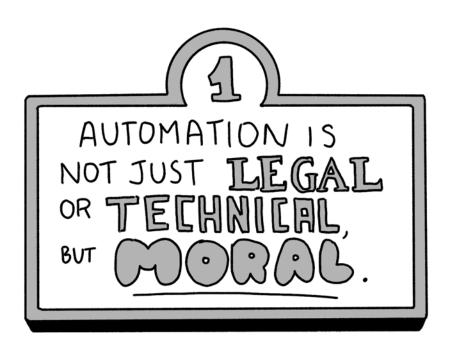
- WHERE HUNDREDS
SHOWED UP WITH
PREPARED STATEMENTS,
PETITIONS, AND LETTERS
OF SUPPORT TO SPEAK
OUT AGAINST AUTOMATION.





THE COMMUNITY
ASSERTED ITSELF BY
PARTICIPATING IN THE
PUBLIC HEARINGS AND
REFRAMING THE TERMS
OF THE DEBATE.

HERE'S WHAT THEY HAD TO SAY:



THE PUBLIC HEARINGS
APPEARED TO BEABOUT
PERMIT APPROVAL
REQUIREMENTS FOR
SPECIFIC TECHNOLOGICAL
UPGRADES. IN THIS
FRAMING, APPROVAL
OF AI INTEGRATION
MIGHT BE LIMITED TO
TECHNICAL/LEGAL
PERMISSIBILITY OF
AUTOMATED STRADDLE
CARRIERS.

PORT OFFICIALS
REPEATEDLY EMPHASIZED
THERE WAS NO <u>LEGAL</u>
JUSTIFICATION FOR
BLOCKING AUTOMATION.

WORKERS AND
COMMUNITY MEMBERS
CHALLENGED HEARING
PARTICIPANTS TO BROADEN
THE ISSUE TO INCLUDE
CONCERNS OF PUBLIC
MORALITY, VALUES, AND
PRIORITIES IN AUTOMATING
LOGISTICS WORK.

BECAUSE COMMUNITY
MEMBERS ANTICIPATED
HARM TO EVERYDAY
PEOPLE, APPROVAL OF
AUTOMATION FROM
PORT OFFICIALS WOULD
REFLECT DEEPLY IMMORAL
VALUES FROM THE
INSTITUTIONS EXPECTED
TO STAND FOR THE PUBLIC.

BUT

### IN THEIR OWN WORDS:

PORT

ISN'T THERE A CONTRACT
AGREEMENT IN WHICH THE
TERMINAL OPERATOR HAS THE
RIGHT TO AUTOMATE?

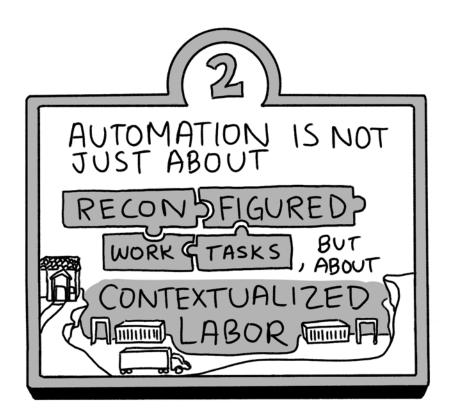
I'M NOT HERE TO SPEAK ON THE CONTRACT - THE ISSUE OF AUTOMATION IS BIGGER THAN THE CONTRACT.

IL WU VICE PRES

I'M SPEAKING ON THE EFFECT IT'S GOING TO HAVE ON MY COMMUNITY AND WHAT'S GOING TO HAPPEN IN THE FUTURE FOR OUR KIDS, THE PEOPLE THAT LIVE HERE ...

IT IS NOT THIS BOARD'S RESPONSIBILITY TO NEGOTIATE OUR CONTRACT. YOUR RESPONSIBILITY IS TO THE CITIZENS RIGHT HERE IN OUR COMMUNITY.

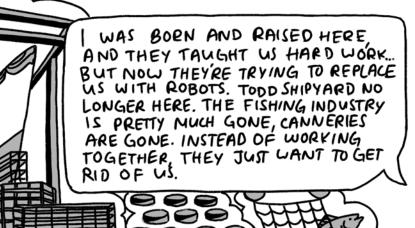
I AM HERE AS A COMMUNITY ACTIVIST, AND THIS IS GOING TO BE DEVASTATING TO OUR COMMUNITY IF IT HAPPENS.



AI PROMOTERS AND INDUSTRY ACTORS
TEND TO APPROACH
AUTOMATION AS THE RECONFIGURATION OR REPLACEMENT OF ROUTINE WORK TASKS, WITH COMPUTER
TECHNIQUES VIEWED AS STAND-INS FOR HUMAN LABOR.

AUTO MATION IS SPOKEN OF AS A VALUE-NEUTRAL CHANGE IN SIMPLYTHE TYPE OF WORK. BUT

WORKERS AND COMMUNITY MEMBERS EMPHASIZED THEIR SEVERAL GENERATIONS OF STRONG TIES TO THE LA HARBOR AREA THAT GAVE PORT LABOR HISTORICAL AND REGIONAL CONTEXT. AND THROUGH THIS DEEP UNDERSTANDING OF HISTORICAL CHANGE, THEY VIEWED AUTOMATION AS A CHALLENGE TO THEIR FUTURES AND A DIRECT ASSAULT ON THE PEOPLE THEMSELVES.



I'UE LIUED IN SAN PEDRO MY WHOLE LIFE. I'UE WORKED IN THE PORT OF LOS ANGELES FOR THE PAST <u>20 YEARS</u>.

I WAS HERE WHEN PIER 400 WAS BUILT. THE FEW THINGS I HEARD WAS IT WOULD NOT TAKE AWAY THE COASTAL BEAUTY THAT WE SEE EVERY DAY FROM THE HILLS OF SAN PEDRO.



THEY LIED.

THEY ALSO SAID IT WOULD CREATE MORE JOBS FOR OURSELVES IN OUR COMMUNITY.

NOW IT'S TIME TO KEEP YOUR PROMISE.

WE NEED THOSE JOBS, WE NEED OUR CHILDREN'S JOBS, WE NEED OUR FUTURE.

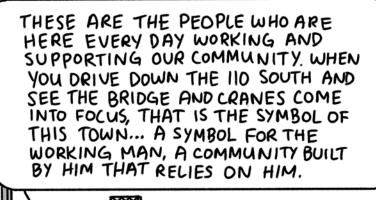


# AUTOMATION IS NOT JUST ABOUT THE FUTURE OF COMMUNITY

AI PROMOTERS AND PORT OPERATORS PROMISE PRODUCTIVITY GAINS WITH PORT AUTOMATION. BY QUANTIFYING CHANGES FROM AUTOMATION SOLELY IN TERMS OF JOBS, EFFICIENCY. THROUGHPUT. PRODUCTIVITY, AND CAPITAL, THEY REDUCE HUMAN ACTORS AND COMMUNITIES TO JUST THEIR LABOR.

BUT

COMMUNITY MEMBERS EXPRESSED CONCERNS ABOUT HOW THE IMPACT OF AUTOMATION WILL HAVE ADUERSE EFFECTS WITHIN THE SURROUNDING COMMUNITY-BEYOND A SIMPLE FLOWOF SALARY MONEY. THEY DREW A STRONG DIVIDE BETWEEN WHAT HUMANS AND ROBOTS CAN + CANNOT DO OUTSIDE OF THE PORT AND HOW THAT IMPACTS THE LIFE OF THE COMMUNITY.



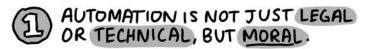
WE TALK ABOUT JOBS AND HOW THE MONEY IN FUSES A COMMUNITY BUT THERE'S ANOTHER' THING: THE PEOPLE HERE ARE NOT JUST LABOR. THEY'RE MEMBERS OF OUR COMMUNITY.

THEY (OACH LITTLE LEAGUE TEAMS...
THIS IS NOT JUST ABOUT VALUE ON
THE DOCK, BECAUSE A ROBOT WILL
NEVER GO TO OUR CHUPCHES OR GO
ON STRIKE WITH TEACHERS.

ROBOTS DO NOT VOTE. ROBOTS DO NOT
ATTEND LA FLEET WEEK. THEY DON'T
GO TO WATER FRONT EVENTS WON'T
USE THE WATERFRONT PROMENAUF
THE BIKE PATHS, THE CALIFORNIA'
COASTAL TRAIL... ROBOTS DO NOT
DO ANY OF THAT.

#### SUMMARY: IN

POINTS OF MOBILIZATION AGAINST AI + AUTOMATION AT THE PORT OF LOS ANGELES:



THE HEARING WAS SET UP TO BE ABOUT THE LEGALITY OF AUTOMATING STRADDLE CARRIERS

THE COMMUNITY Transformed IT INTO

TAKING INTO ACCOUNT CONCERNS OF PUBLIC MORALITY VALUES AND PRIORITIES BY THOSE SUPPOSED TO REPRESENT THE COMMUNITY.

AUTOMATION IS NOT JUST ABOUT RECONFIGURED WORK TASKS, BUT ABOUT CONTEXTUALIZED LABOR.

AUTOMATION WAS SPOKEN OF AS SIMPLY REPLACING OR RECONFIGURING (TRANSFORMED CERTAIN WORK TASKS.

THE COMMUNITY

IT INTO

WORK AS HAVING HISTORICAL AND REGIONAL CONTEXT-AUTOMATING AWAY WORK AS A DIRECT ASSAULT ON PEOPLE THEMSELVES.

AUTOMATION IS NOT JUST ABOUT THE FUTURE OF WORK, BUT ABOUT THE FUTURE OF THE COMMUNITY

CHANGE FROM AUTOMATION IS QUANTIFIEDIN PRODUCTIVITY, JOBS, EFFICIENCY, ETC-REDUCING HUMANS TO LABOR

THE COMMUNITY TRANSFORMED

IT INTO

CHANGE FROM AUTOMATION IS MORE THAN SALARIES AND JOBS LOST. IT IS AN ANTICIPATED LOSS OF A WAY OF LIFE.

### WHAT HAPPENED AFTER THE HEARINGS?

THAT TAKES OUR STORY BACK TO THIS PART OF OUR FAIR CITY.

LA SYS

WHILE THE BOARD OF HARBOR COMMISSIONERS ORIGINALLY VOTED 3-2 IN FAVOR OF ALLOWING AUTOMATION IN

JUNE 2019, THE COMMUNITY'S TRANSFORMATION OF THE NARRATIVE AND VISIBLIZATION OF THEIR ROLES AND LIVES ALREADY MADE AN IMPACT

THE IMPACTS (BEING WEIGHED) MUST INCLUDE
THE DECIMATION OF THE WORKFORCE...THIS
IS A BATTLE FOR THE SURVIVAL OF OUR
COMMUNITY. J-1 OF 2 COMMISSIONERS IN

NO TO AUTOMATION PERMIT

 $\bullet \bullet /$ 

0 O C

SUPPORT OF UNION APPEAL

YES TO AUTOMATION PERMIT

AND THE IMMENSE SHOW OF LOMMUNITY POWER AT THE HEARINGS LED THE LA COUNTY BOARD OF SUPERVISORS TO APPROVE A MOTION TO WRITE MAYOR GARCETT I AND CITY COUNCIL "TO SUPPORT THE EFFORTS OF THE ILWU."

THIS ALL LED UP TO A JUNE 28TH VOTE WHERE 12 OUT OF 15 CITY COUNCIL MEMBERS VOTED IN FAVOR OF A MOTION TO OVERRULE THE BOARD OF HARBOR COMMISSIONERS' VOTE!

REJECT AUTOMATION PERMIT NOT PRESENT

# BY PLACING THEMSELVES FRONT AND GENTER

AT THE PROBLEM OF "AUTOMATION" COMMUNITY MEMBERS PRESENTED AN OPEN CHALLENGE TO THE OTHERWISE SEEMINGLY INEVITABLE MARCH OF TECHNOSCIENCE, BY REJECTING THE NOTION THAT ADVANCES IN AI SHOULD COME AT THEIR EXPENSE.

AND THE WAYS THAT DOMINANT CONVERSATIONS AROUND COMMERCE AND AUTOMATION

INVISIBLIZE SINFRASTRUCTURE

MAY MAKE IT SEEM LIKE AUTOMATION IS JUST CHANGING PARTS IN A BLACK BOX ANYURY.

BUT BY MAKING THEMSELVES VISIBLE, WORKERS MAKE IT IMPOSSIBLE TO LOOK AWAY FROM THE REAL COSTS OF AUTOMATION.

LIKE THE OFT-MISREPRESENTED
LUDDITES SMASHING MECHANIZED
LOOMS REPLACING THEIR
LABOR IN THE 1810S, THIS
IS N'T RESISTANCE THAT
COMES OUT OF IRRATIONAL
PEAR OR LACK OF UNDERSTANDING
OF TECHNOLOGY.

IT'S RESISTANCE THAT COMES OUT OF DEEP EXPERIENTIAL, HISTORICAL, AND COMMUNITY KNOWLEDGE OF WHAT HAPPENS TO LABORERS WHEN AUTOMATION COMES.

AND OF COURSE, THE STORY ISN'T OVER.

PUSHES FOR AUTOMATION IN THE LA HARBOR REGION CONTINUE AS OF 2023, AND LIKELY WILL INTO WHATEVER TIME YOU ARE READING THIS FROM.

SO NOW WE TURN TO



- WHAT IS YOUR RELATIONSHIP TO THIS FIGHT?
- WHAT CAN YOU CONTRIBUTE?

AND BEYOND THE PORT OF LA,

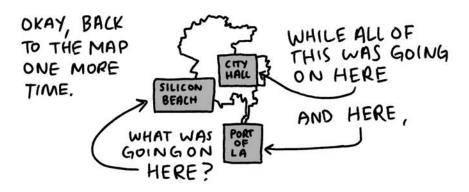
- WHAT INFRASTRUCTURES ARE YOU A PART OF? BENEFIT FROM? TAKE FOR GRANTED?
- WHAT CAN YOU DO TO BUILD COMMUNITY POWER?

THIS STORY SHOWS WE ALL HAVE THE POWER TO CHANGE THINGS-AS LONG AS WE BRING PEOPLE TOGETHER.

AND WE ALL HAVE THE POWER TO BRING PEOPLE TOGETHER.

# PART 2

WHOSE FAIRNESS?
WHOSE ACCOUNTABILITY?
WHOSE TRANSPARENCY?
A NEW STARTING PLACE FOR AL ETHICS



WHILE THESE HEARINGS ABOUT THE FUTURE OF AI AND AUTOMATION IN PRACTICE WERE HAPPENING IN THE PORT OF LA, LESS THAN 30 MILES, AWAY TECH COMPANIES AND TECH WORKERS WERE HAVING THEIR OWN CONVERS ATIONS ON "AI ETHICS."



(MAYBE THIS IS MORE WHO YOU IMAGINED AT THE BEGINNING WHEN WE ASKED ABOUT THE "WHO" IN AUTOMATION?)

AND JUST AS THE AUTOMATION AT THE PORT OF LA IS PART OF A GLOBAL SUPPLY CHAIN, THESE CONVERSATIONS ARE PART OF A LARGER GLOBAL CONTEXT OF AI/ML/AUTOMATION DEVELOPMENT, WHICH & CIRCLE BACKS TO SHAPE OUR LOCAL LANDSCAPE.

AFTER ALL, MANY DEVELOPERS TODAY CLAIM TO RECOGNIZE AND ACCOUNT FOR THE SOCIAL IMPACTS OF AI THROUGH CONFERENCES AND PAPERS ON AI AND TECH ETHICS. AND GROUPS AND SYMPOSIA CENTERED AROUND "TECH FOR GOOD "OR "AI FOR SOCIAL GOOD" WHERE ETHICS, JUSTICE, AND EQUITY ARE OFTEN CHARACTERIZED THROUGH THE TERMS OF FAIRNESS ACCOUNTABILITY AND TRANSPARENCY.

FOR MORE CRITICAL ANALYSIS OF THIS TREND: THE FORGOTTEN MARGINSOF AL ETHICS" BY









FLOWERS VENTRESQUE L. DANCY MATTHEW S. BROWN CRITICAL LIT REVIEW OF AI ETHICS PAPERS)

ON THE SURFACE, THAT MAY SOUND GOOD-

IT'S ALL GOOD, WE'RE THINKING ABOUT THE ETHICS, YOU CAN LEAVE IT UP TO US



WE'VE GOT A FAIRNESS-AWARE MODEL, WE'RE TAKING CARE OF THE SOCIAL COMPONENT



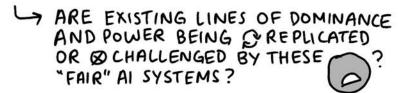
WE'RE INCLUDING MORE DIVERSE PEOPLE IN OUR DATA!



WE'RE DEBIASING THE DATA SET!



- BUT IN REALITY WHAT IS THE OUTCOME OF THESE STATEMENTS?



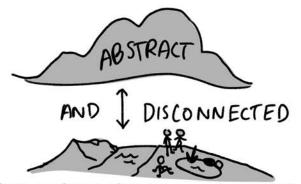


WHAT IS THE IMPACT OF THE AI SYSTEM ON THE MOST
MARGINALIZED? (AND NOT
JUST ABSTRACTLY/HYPOTHETICALLY)



AND WHO ISN'T BEING INCLUDED IN THESE CONVERSATIONS, AND HOW DOES THAT LIMIT THEIR ABILITY TO TRULY ANSWER THESE QUESTIONS - QUESTIONS OSTENSIBLY SPECIFICALLY ABOUT IMPACT?

WHEN THESE QUESTIONS AREN'T ASKED, THE CONVERSATION ON ALL IS OFTEN



FROM STRUCTURAL/SOCIAL FACTORS AND SPECIFIC IMPACTS.

CLEARLY, PEOPLE RELATE TO INEQUALITY IN TECH AND AUTOMATION IN VERY DIFFERENT WAYS, DEPENDING ON WHAT PUBLICS, CONTEXTS, AND EXPERIENCES THEY ARE



SO HOW DOES THE CONVERSATION

CHANGE ON WHAT



WHOSE IDEAS HAVE NOT BEEN INCLUDED IN THIS CONVERSATION UP TO THIS POINT?

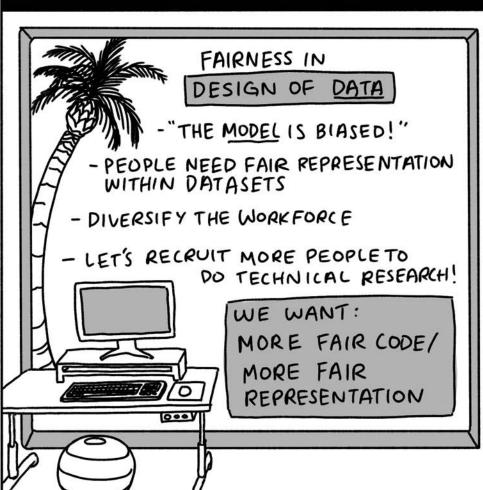
LET'S FIND OUT!

THE PERSPECTIVES OF THE WORKERS MARGINALIZED BY

THESE SYSTEMS

# FAIR

# SILICON BEACH





# ACCOUN

# SILICON BEACH

INTERNAL ACCOUNTABILITY

WHO IS ACCOUNTABLE?

ACCOUNTABLE TO?

CREATORS OF TECHNOLOGY

... CREATORS OF TECHNOLOGY

ENGINEERS, DESIGNERS,
TECH WORKERS,
PROGRAMMERS

... YEAH THE SAME PEOPLE

IT'S IN OUR HANDS!

WE NEED TO BUILD SOMETHING INTO THE MODEL BEFORE IT GETS OUT OF CONTROL!

IDEAL OUTCOME: TECHNICAL SOLUTIONS



# PORT OF LA

EXTERNAL ACCOUNTABILITY

WHO IS ACCOUNTABLE?

ENABLERS OF TECHNOLOGY

POLICY MAKERS, PUBLIC OFFICIALS, GOVERNMENT WHO ARE THEY ACCOUNTABLE TO?

THOSE IMPACTED BY TECHNOLOGY

USERS OF TECH, COMMUNITIES ALTERED BY TECH

YOU'RE SUPPOSED TO REPRESENT US!

WHO IS SUPPORTING OR REGULATING AI DEVELOPMENT AND DEPLOYMENT HERE IN THE FIRST PLACE?

IDEAL OUTCOME: POLITICAL ACTION

# TRANSP

# SILICON BEACH

"HOW THE MODEL WORKS"

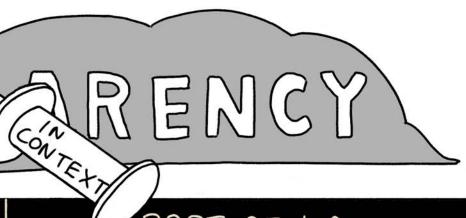
WE NEED TO
UNDERSTAND
HOW THE MODEL
ARRIVED AT ITS
OUTCOME

DID THE MODEL BEHAVE APPROPRIATELY?

WE NEED TO FEEL
SATISFIED WITH THE
AL AS DECISION-MAKER

FOCUS SHOULD BE:

MODEL MODEL



## PORT OF LA

TRANSPARENCY AROUND

"IMPACT OF MODEL ON SOCIETY"

WHY ARE WE INVESTING IN AI?

WHAT WILL AT OPERATIONALIZED?

HOW MANY JOBS
WILL IT CREATE?
REMOVE? DISPLACE
TO SOMEWHERE ELSE?

THE ENVIRONMENT?

WHAT IS THE FUTURE OF OUR COMMUNITY?

HOW WILL IT IMPACT BROADER SOCIETY?

FOCUS SHOULD BE: LOOK AT

HOLING PEOPL

## SUMMARY

OF FAIRNESS, ACCOUNTABILITY, AND TRANSPARENCY IN CONTEXT

	SILICON BEACH	PORT OF LA
FAIRNESS	FAIRNESS IN DESIGN OF DATA  - MODEL IS BIASED WE WANT: MORE FAIR CODE	FAIRNESS IN DESIGN OF THE SOCIAL SYSTEM -SOCIETY IS BIASED WE WANT: MORE FAIR SOCIETY
ACCOUNTABILITY	ACCOUNTABILITY  CREATORS  ACCOUNTABLE TO  CREATORS  HOWTO TECHNICAL  ACHIEVE SOLUTIONS	EXTERNAL ACCOUNTABILITY  ENABLERS ACCOUNTABLE TO THOSE IMPACTED HOW TO . POLITICAL ACHIEVE ACTION
TRANSPARENCY	TRANSPARENCY AROUND "HOW THE MODEL WORKS" FOCUS SHOULD BE ON LOOKING AT THE MODEL	TRANSPARENCY AROUND "IMPACT OF MODEL ON SOCIETY" FOCUS SHOULD BE ON LOOKING AT PEOPLE'S LIVES

CODE-CENTERED

COMMUNITY-CENTERED

HOPEFULLY, THIS PROCESS OF VISIBLIZING THE PERSPECTIVE OF THE WORKERS MARGINALIZED WITHIN A CAPITALIST AI SYSTEM NOT ONLY BRINGS IN THEIR VOICE, BUT ALSO MAKES IT CLEAR THAT THE PERSPECTIVE OF TECH PRODUCERS ON TECH ETHICS IS NOT THE UNIVERSAL, VALUE-FREE KNOWLEDGE THAT IT'S OFTEN HELD UP AS—





-BUT JUST AS CONTEXTUAL AS THE PERSPECTIVES OF THE IMPACTED WORKERS.

AI "EXPERTS" AND THEIR KNOWLEDGE CLAIMS DO NOT STAND OUTSIDE OF SOCIETY ...



THE VIEW OF INFINITE VISION IS AN ILLUSION, A GOD TRICK

DONNA HARAWAY, FEMINIST EPISTEMOLOGIST

FOR MORE, SEE "SITUATED KNOWLEDGES" ALL KNOWLEDGE IS SITUATED, AND THAT MEANS IT HAS A VANTAGE POINT, IS LIMITED, AND IS LOCATABLE. THAT ALSO MEANS IT CAN BE HELD ACCOUNTABLE.

... BUT ARE SITUATED WITHIN IT.

AS BRIAN WYNNE SAYS IN HIS
FOUNDATIONAL WORK ON THE
RESPONSE OF SHEEP FARMERS
TO THE CLAIMS OF NUCLEAR
SCIENTISTS ABOUT RADIOACTIVITY
ON GRAZING LAND:



IN OUR CASE, THINKING ABOUT

"MAKING SURE A MODEL'S DECISIONS 7
ARE VISIBLE AND UNDERSTANDABLE
TO PROGRAMMERS"

ABOUT TRANSPARENCY AS

"MAKING SURE HUNAN DECISIONS
ABOUT DEPLOYMENT AND IMPACT
OF TECHNOLOGY ARE UISIBLE AND
UNDERSTANDABLE TO COMMUNITY"

LA LA ANTHROPOLOGIST DIANA FORSYTHE ->
RECOGNIZED A SIMILAR PHENOMENON
DURING HER ETHNOGRAPHIC RESEARCH
IN AI LABS IN THE 1990s.



THE COMMUNITY OF SCIENTISTS AND RESEARCHERS SHE STUDIED TENDED TO PRIORITIZE

FORMAL MATHEMATICAL MODELS AND CODING

Tr(h,a',w')=ΣΠπ;αί Vs;εΙ; Α(s;)={1,2..., lπ'!}

#### OVER

THE CONTEXTUAL NATURE OF KNOWLEDGE AND WORK.



SHE THUS ARGUED THE FIELDS OF AI AND INFORMATICS WOULD ROUTINELY







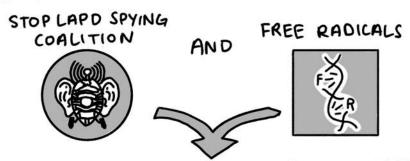
IN TODAY'S LANDSCAPE, AI PRACTITIONERS MAY CLAIM TO ATTEND TO SOCIETAL IMPACTS BY HOSTING PANEL DISCUSSIONS ON "ETHICS" OR BY RELEASING GUIDELINES ON "FAIRNESS, ACCOUNTABILITY, AND TRANSPARENCY," YET:

- -> THE DECONTEXTUALIZED FOCUS ON CODE,
- -> THE DEVALUATION OF CERTAINKINDS OF WORK, AND
- THE PRIVILEGING OF AN ELITE GROUP OF PEOPLE WHO COUNT AS "EXPERTS"

... SUGGESTS THE FIELD STILL "DELETES THE SOCIAL", EVEN AS IT APPEARS TO ADDRESS IT.

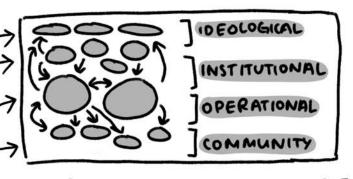
SO WHAT WOULD AN ALTERNATIVE FRAMING OF EQUITY, ETHICS, AND JUSTICE LOOK LIKE, ONE THAT CENTERS SOCIAL INEQUALITY AND THE COMMUNITIES WHOSE VOICES CONTINUE TO BE MARGINALIZED?

ONE VISION FOR A FRAMING THAT STARTS ELSEWHERE COMES TO US FROM LA-BASED COMMUNITY ORGANIZATIONS



WHO DEVELOPED AN ORGANIZING TOOL CALLED

THE ALGORITHMIC ECOLOGY



INSTEAD OF FOCUSING ON THE TECH ITSELF AND ITS CAPACITY TO BE MADE MORE EQUITABLE,"

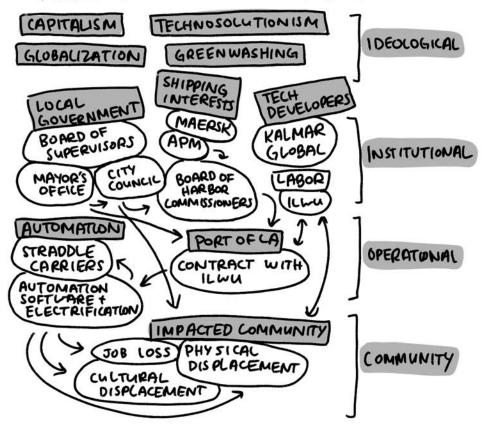
LOOK FIRST TO WHO IS BEING IMPACTED AND IN WHAT WAYS,

LOOK BEYOND TO WHAT INSTITUTIONS ARE DEVELOPING AND FUNDING THE TECHNOLOGY, AND FOR WHAT PURPOSES AND WHOSE BENEFIT?

LOOK OVER TO WHO IS OPERATIONALIZING THE TECHNOLOGY AND HOW, AND

LOOK OUT FOR WHAT IDEOLOGIES THE TECH
IS UPHOLDING AND REIFYING.

THE ALGORITHMIC ELOLOGY FOR OUR CASE OF AUTOMATION IN THE PORT OF LA MIGHT LOOK SOMETHING LIKE THIS:



IT'S A ROAD MAP FOR WHERE POWER AND PRESSURE CAN BE APPLIED AT WHAT POINTS, A VISIBLIZER OF THE ACTORS WE KNOW AND ALSO WHAT WE DON'T KNOW, AND IT'S A COMMUNICATION TOOL FOR THE FIGHT.

#### SO ASK YOURSELF SOME QUESTIONS:

- . WHERE DO YOU FIT INTO THIS ECOLOGY?
- · WHAT OPPORTUNITIES FOR PUSHING FOR JUSTICE DOES YOUR SITUATEDNESS GIVE YOU ACCESS TO?
- · WHERE IS THE WORK ALREADY HAPPENING AND HOW CAN YOU CONTRIBUTE?

AND AS SUSAN AND ANSELM US, STAR STRAUSS OF REMIND

"NO WORK IS INHERENTLY EITHER VISIBLE OR INVISIBLE. WE ALWAYS "SEE" WORK THROUGH A SELECTION OF INDICATORS: STRAINING MUSCLES, FINISHED ARTIFACTS, A CHANGED STATE OF AFFAIRS. THE INDICATORS (HANGE WITH CONTEXT, AND THAT CONTEXT BECOMES A NEGOTIATION ABOUT THE RELATIONSHIP BETWEEN UISIBLE AND INVISIBLE WORK.

HOW CAN YOU INVERT

## INFRASTRUCTURES

# OF INJUSTICE

TO MAKE THE PREVIOUSLY
INVISIBLE NEWLY VISIBLE,



### ABOUT THE AUTHORS



SOPHIE WANG IS A RESEARCHER, EDUCATOR, ARTIST, AND ZINE GREMLIN CURRENTLY BASED IN THE TWIN CITIES. SHE MAKES ZINES/COMICS/ART THAT BRING A CRITICAL POWER LENS TO SCIENCE, TECHNOLOGY, EPISTEMOLOGY, AND FORMS OF KNOWLEDGE-MAKING, AS PART OF MAKING THESE CONVERSATIONS MORE ACCESSIBLE OUTSIDE OF THE ACADEMY. SHE IS A CO-FOUNDER OF FREE RADICALS, AN ACTIVIST COLLECTIVE AT THE INTERSECTION OF SCIENCE AND SOCIAL JUSTICE. YOU CAN FIND HER OFFLINE LOOKING AT LEAVES BY THE WATER OR BAKING PLUM CRUMBLE, AND YOU CAN FIND HER ONLINE AT WANGSHUF.COM.

TAYLOR M. CRUZ IS A SOCIOLOGIST OF SCIENCE, TECHNOLOGY, AND MEDICINE BASED OUT OF LOS ANGELES AND ORANGE COUNTY. SHE CONDUCTED THE MULTI-SITED ETHNOGRAPHIC FIELDWORK INFORMING THIS COMMUNITY-BASED PROJECT ON AI/ML, ATTENDING MANY PUBLIC ENGAGEMENT EVENTS ACROSS THE LA HARBOR AND SILICON BEACH (AS FEATURED IN THE ZINE YOU JUST READ!). TO LEARN MORE ABOUT HER RESEARCH OR TO DOWNLOAD FREE COPIES OF THIS CRITICAL STS ZINE, VISIT HER ONLINE AT TAYLORMCRUZ.COM.

WE SHARE THIS STORY TO USE THE RESOURCES AND POWER AND OPPORTUNITY THAT WE HAVE, GIVEN OUR SITUATEDNESS, TO AMPLIFY AND SUPPORT ORGANIZING, BRING THE KNOWLEDGE GENERATED BY THIS COMMUNITY TO A CONVERSATION THAT HASN'T THOUGHT TO INCLUDE THEM, AND TO BROADEN THE AUDIENCE THAT KNOWS ABOUT THE FIGHT (AND INTRODUCE SOME RELATED SCHOLARSHIP THAT MIGHT BE USEFUL TO YOU ALONG THE WAY)

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WHAT STORIES DO WE HEAR ABOUT AT AND ETHICS, EQUITY, AND JUSTICE? AND WHOSE STORIES ARE THEY?

THIS IS A STORY ABOUT AI, BUT IT MIGHT BE A LITTLE DIFFERENT THAN YOU EXPECT.

THIS IS A STORY OF PEOPLE ORGANIZING, MOBILIZING, USING THEIR POWER TO RESIST AI, AND REWRITING A STORY THAT WAS BEING WRITTEN FOR THEM, WITHOUT THEM.

THIS IS A STORY OF THE PEOPLE OF THE LOS ANGELES HARBOR

