

putting power into practice as a staff+ engineer



Matt Hawthorne

Independent Consultant // Philadelphia // mhawthorne.net

Previously worked at:

Twitter, Netflix, Comcast

Focus Areas:

Backend Distributed Systems, AI/ML infrastructure



why does **nobody** know what a **Staff Engineer** is?



why do I spend so much time solving **people problems?**

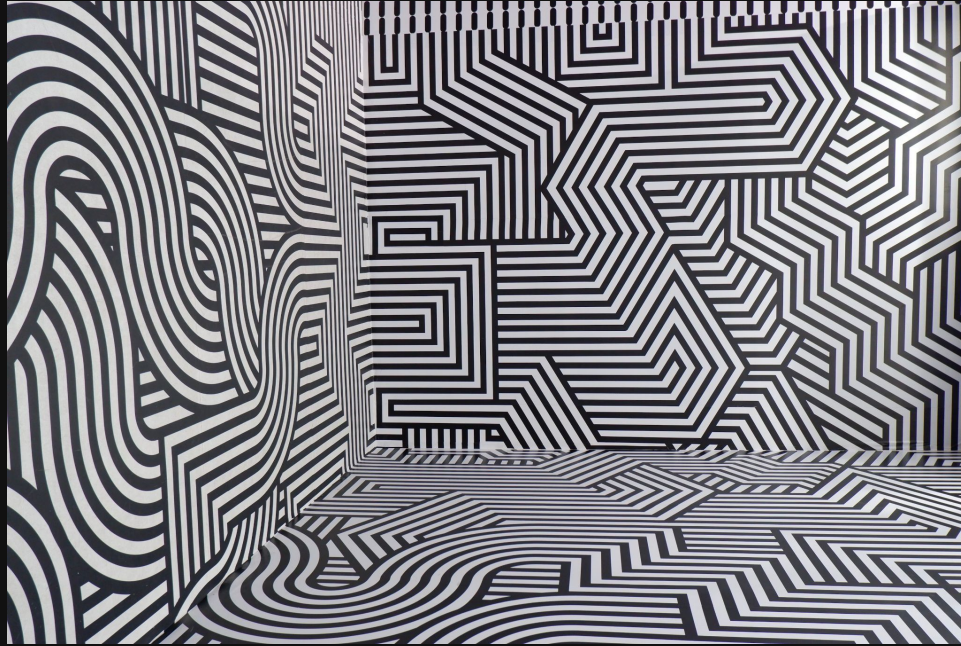


when will I get to **choose my own projects?**



culture is mutable

tricky situations





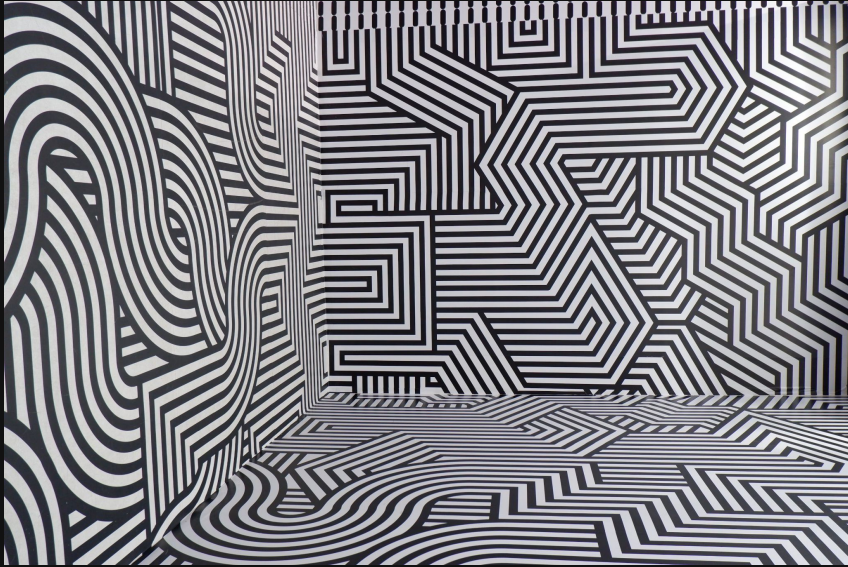
power moves



power phrases



mentoring and leadership



your manager
asks you to schedule an
“emergency meeting”
for the **3rd**
no-meetings day
in a row

what would you do?



**don't make statements,
ask questions**



**“this would be our 3rd
no-meetings day in a
row with a meeting.**

**how do we feel about
that?”**



**get comfortable with
awkward silence**



**manager agreed to
bump the meeting
to the next day**



you decide how
to deploy your
workplace capital



“I’ll take the blame”

**(if something
goes wrong)**



SCHEDULE SLIPS



**“our estimate was
too aggressive,
we’ve extended it
by 2 weeks”**



**using your capital
to absorb risks
that other people
cannot**



“who is asking for this?”

**(regarding a
feature request)**

messenger:
this dataset needs
99% data quality



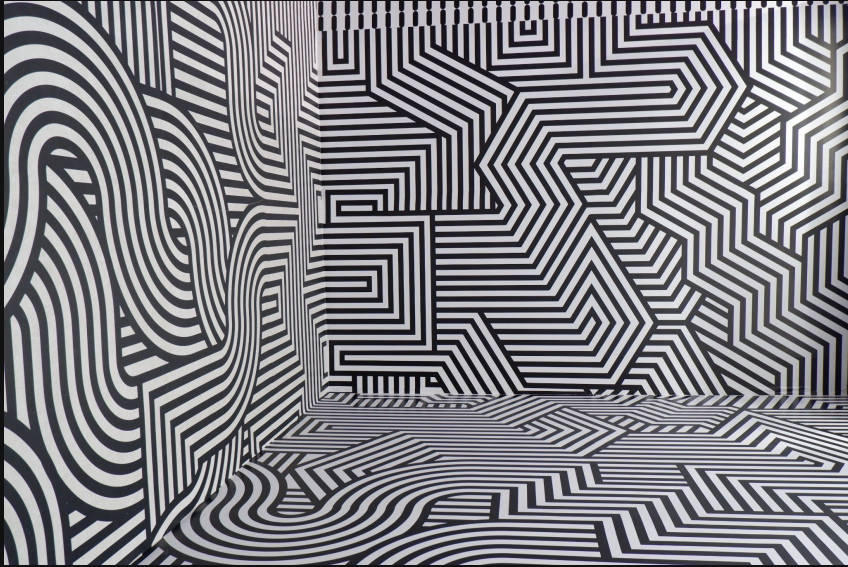
source:

70% data quality
is fine





**get information
directly
from the source**



your manager asks you
to take on another
project, but **you don't
have capacity for it**

what would you do?



(remember...)

**don't make statements,
ask questions**



**“at the end of the quarter,
would we rather have 2
projects make a little
progress...”**

**or 1 project make a lot of
progress?”**



(awkward silence)



**manager said:
let's focus on the more
important project**



**get comfortable
saying “no”**



**useful mentoring =
exercising
and
training**



**“can you review this doc and
tell me what you think?”**



**“what do you
wish you had
more time
to work on?”**



**“don’t worry about
that for now”**

**(regarding operational
concerns or edge cases
of a new feature)**



“how will this scale?”

**(regarding a new
system or feature)**



**“let’s talk about
that tomorrow”**

(followed by)

**“close your laptop
and enjoy
your evening”**

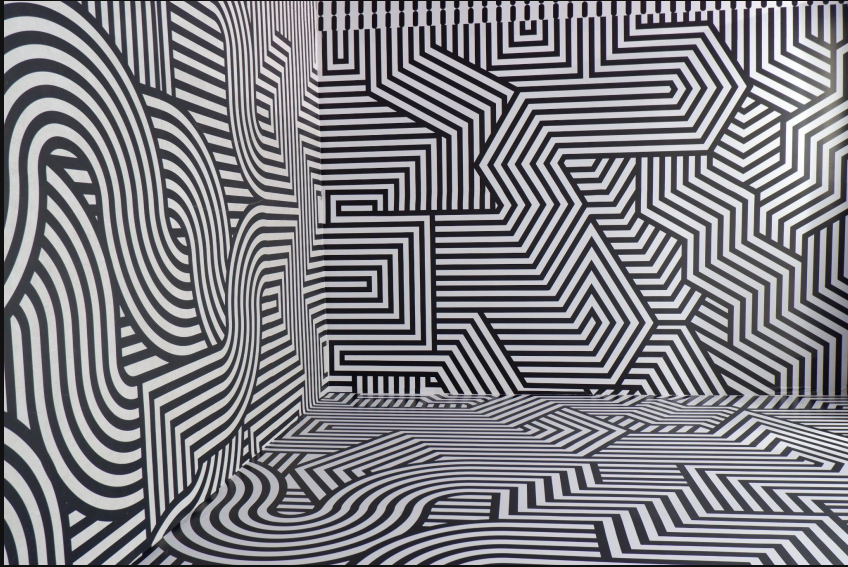


**put yourself in your
manager's shoes**



always have an
answer for:

**what would I do with N
more engineers?**



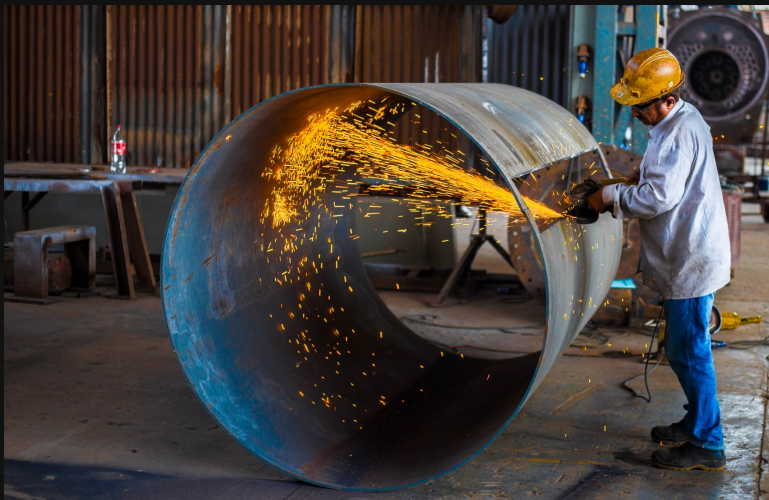
your colleague suggests
you assign
the only
“minority” engineer
on the project
to be in charge of
organizing JIRAs

what would you do?



INNOVATION (good work)

VS.



TOIL (bad work)



**under-represented
groups
are assigned
bad work
more often**



**do your part
to ensure that
work is assigned
fairly and ethically**



technology is downstream of culture



**work should be fun
and/or interesting**



use your power for good



thank you!

image credits

slide	credit
1	https://www.flickr.com/photos/sdasmarchives/53147198572
3	https://unsplash.com/photos/32RgYHQIUvA
4	https://unsplash.com/photos/gDDas5_ALRw
5	https://unsplash.com/photos/eAkjzXCU0p0
6	https://unsplash.com/photos/9V5GssdEG-4
7	https://unsplash.com/photos/xJf6Gs20Uqc
8	https://unsplash.com/photos/UG9T2UFwxZU
9	https://unsplash.com/photos/9iY3Sqr1UWY
10	https://unsplash.com/photos/bG8U3kaZtE
11	https://unsplash.com/photos/X_RxDiKDSuU
16	https://unsplash.com/photos/5mj5jLhYWpY

image credits

slide	credit
17	https://unsplash.com/photos/XG88BYDSDZA
19	https://unsplash.com/photos/XjNI-C5G6ml
41	https://unsplash.com/photos/7KLa-xLbSXA https://unsplash.com/photos/mJi2I9KJPQ8
44	https://unsplash.com/photos/YbbRa8ROM6c
45	https://unsplash.com/photos/A_0C42zmz1Q
46	https://unsplash.com/photos/0x6RTts1jRUx
47	https://www.flickr.com/photos/sdasmarchives/53166491761