Design that Matters

Lyel Resner MIT 6.1040 Fall 2024



How this will go

- 1. Quick-ish introduction
- 2. Introduction to Responsible Innovation
- 3. What agency you have in you careers
- 4. Intro to Social Impact + Practical tools to kickstart your projects (Wednesday)

Lyel Resner



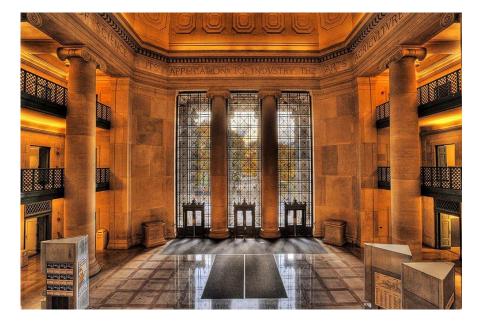
- Visiting Faculty, MIT/ Head of Public Interest Tech Studio, Cornell Tech
 - Cofounder
 - Startups & Society Initiative
 - Responsible Innovation Founders Summit
 - Swayable (YC18)
 - Failed Education Non Profit
- Early Exec Flatiron School
- 8y Adjunct Professor of Social Innovation at NYU
- Recovering Physicist/Trader
- Marginally competent surfer



This, I submit, is the freedom of a real education...

You get to consciously decide what has meaning and what doesn't. You get to decide what to worship.

a close-mindedness that amounts to an imprisonment so total ...that the prisoner doesn't even know he's locked up."







Prof. Feynman 🤣 @ProfFeynman

Direction is more important than speed.

12:18 PM · Aug 24, 2023 · 3.1M Views



Fun with Nomenclature

"Values-sensitive Design"

"Public Interest Tech"

"Ethical Tech"

"Civic Tech"

"Responsible Tech"

"Rights-respecting Tech"

"Humane Tech"

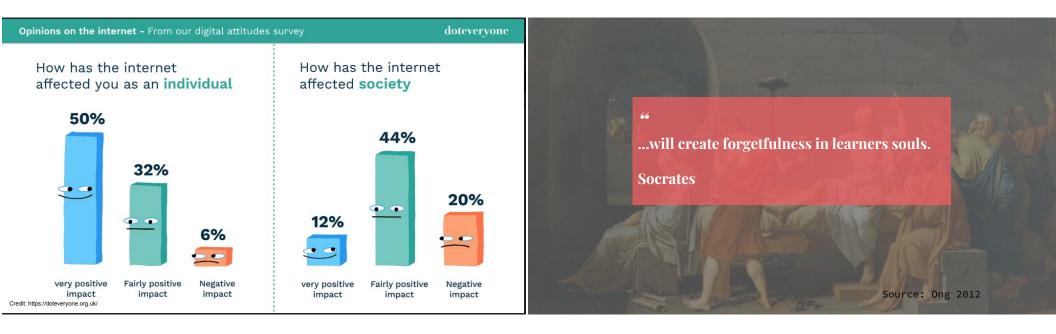
"Tech for Good"

- 1. Responsible Innovation (Do no harm) eg. enabling violence and extremism, furthering inequities, perpetuating bias, infringing on privacy, exploiting workers, destroying democracy, etc.
- 2. Social Impact (Create positive social change). Advancing Human Rights, achieving UN SDGs



How positively has the internet affected you as an individual?

How positively has the internet affected society?



Forbes

EDITORS' PICK

Goldman Sachs Predicts 300 Million Jobs Will Be Lost Or Degraded By Artificial Intelligence







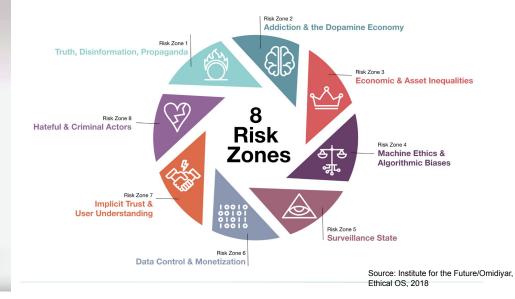
I lay awake at night thinking about all the things we built in the early days and what we could have done to avoid the product being used this way.

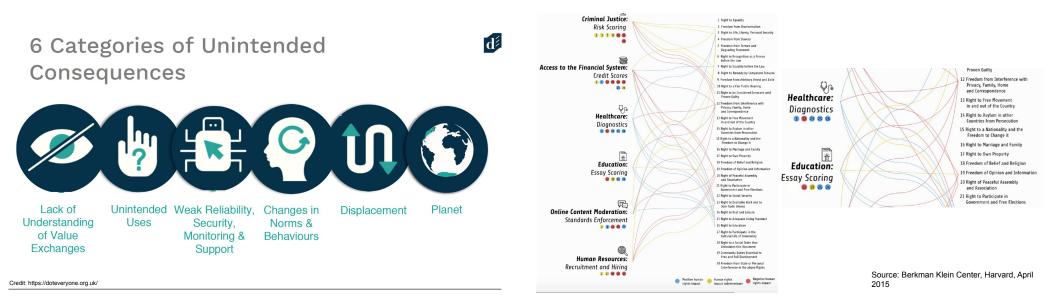




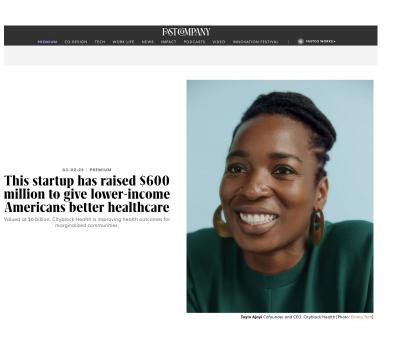


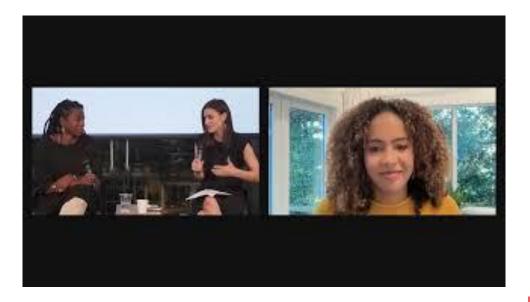
...the really significant education in thinking that we're supposed to get in a place like this isn't really about the capacity to think, but rather about the choice of WHAT to think about."











Stakeholders

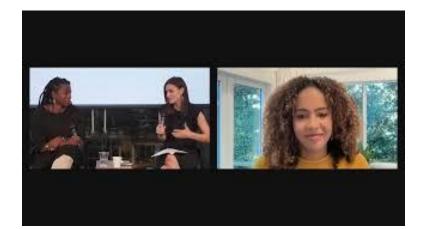
Employees Customers Shareholders Your Community Government The Planet Other???

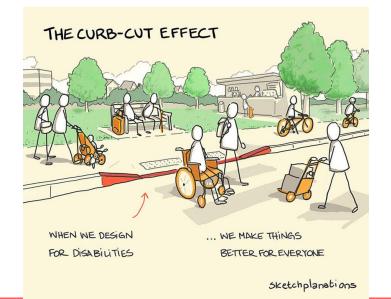
"

"Entrepreneurs are the designers of companies. Great startup CEOs recognize very early that their job is not to build a product, but to build a company – defined by mission, values, and culture."

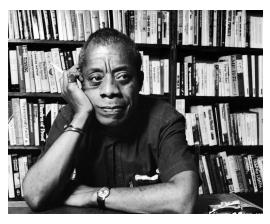
- Phin Barnes,

m/news/2017/10/early-facebook-employees-regret-the-monster-they-created. Vanity Fair, Oct. 12, 2017





"What we must understand, is that if I am hungry, you are in danger."





Business Case for Responsible Innovation

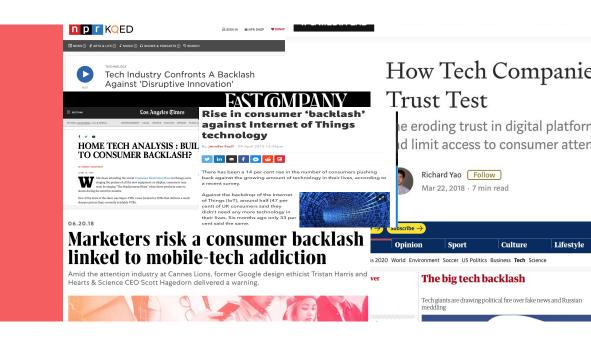
Attract and Retain top talent Generate consumer trust and loyalty Build social capital

 \rightarrow **Prevent** disasters that cost time, money, and reputation.

Trend 1: The Talent (YOU) Cares



Trend 2: Growing Public Scrutiny



Trend 3: Growing Regulatory Scrutiny

Regulation & Uber, Airbnb & Nest

Clearview AI Faces Biometric Privacy Claims in Illinois Court

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Consumers sue over facial recognition tool Case differs from others against Clearview			ndrea Vittorio	0	0
learview Al Inc. must face consumer privacy claims over its facial recognition chnology in an illinois state court after a federal judge sent the case there.		Related Articles			
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APAC OCTOBER 11, 2020 / 9:53 PM / UPDATED 16 DAYS AGO

EU planning tougher regulation for 'r tech firms - FT

1288 views | Oct 12, 2020, OtS8pm EDT Big Regulation Coming For Big Tech

Forbes

David G.W. Birch Contributor © Fintech Author, advisor and global commentator on digital financial services.

Breaking up Big Tech is a 19th-century competition solution to a 21st century competition problem. There is a better way.

The World Wants More Tech Regulation

A large majority of people see an increased need for more government regulation of big technology companies, a new global survey shows. By Simia Radu Staff Writer Jan 15, 2020, et 12.01 a.m.

GLOBAL TRANSLATIONS

U.S. playing catch up in regulating Big Tech

"Europe is in the throes of a major revolution" on digital regulation, says one economist.





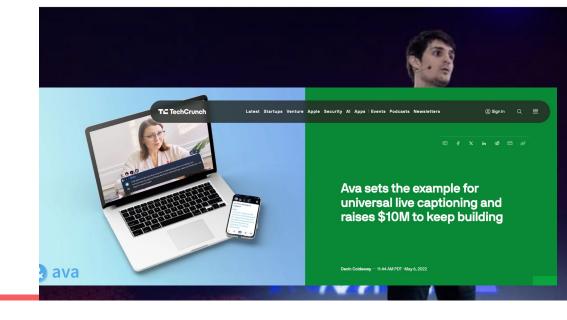
→ Getting ahead of these issues is a business imperative

"We're already resource constrained." "We're still trying to find product market fit." "We're focussed on making payroll" "It's too early" "It's too hard to predict" "What can we realistically do?" "We sell X. This doesn't apply to us." "We'd know if there was an ethical problem."

Business Case for Responsible Tech

Attract and Retain the best talent Generate user loyalty Build social capital Prevent disasters that cost time, money, and reputation.

Have a genuinely positive impact. Build something you're proud of.



"Over the next year the world record

Invest in nature Develop a project Explore projects

🛞 Pachama

RESOURCES / ANNOUNCEMENTS

Pachama Increases Series B to \$64 Million with \$9 Million Extension

Former Salesforce Chief Business Officer Ebony Beckwith Joins Pachama's Directors

PROJECT EVALUATION CRITERIA 2.3

ESTORE NATURE, REMOVE CARBON

To ensure every forest project we offer upholds our Quality Standard, we've develope our Project Evaluation Criteria. The criteria includes quality checks that every project must pass. Remote sensing is core to many of these checks; however, it can't tell the whole story, so we also surface important insights relevant to carbon credit quality O QUALITY CHECK @ QUALITY INSIGHT

Is the climate benefit net additional

MASELINES BAISSIONS) O PROJECT BAISSIONS) O LEMANE BAISSIONS)

Is the climate benefit based on sound and conservative claims? PROJECT CLADIES

Is the climate benefit durable?

O ONBOING MONITORING OF FIRE RISK AND OTHER NATURAL RISKS OF FOREST MANA

Are there impacts beyond carbon

SOCIAL IMPACTS
SCOLOGICAL IMPACTS
STODIVERSITY IMPACTS
CO CENTIFICATIONS

Why Aclima Converted to a Public **Benefit Corporation When Raising** a \$40M Series B

Aclima measures and analyzes air pollution and greenhouse gases on a hyperlocal-level which helps regulators, policymakers, and environmental advocates better understand and manage emissions and their impacts. When Davida Herzl incorporated Aclima, there were two choices for how she could deliver on her mission: she could start a nonprofit, serve parts of society that lack access to resources, and be beholden to philanthropists, or she could build a business for



Founders, Startups & Society Initiative 2021



Futureproof Tech Founders' Summit-Why I Converted To Patkie Benefit Corp. When Raising A \$40M Series B



(SS) Founding Contributor Head (Cofaunder & CEO Aclinia) of Public Interest Technology Studio at Cornell Tech)

Dive deep

Responsible AI Algorithmic Bias **Content Moderation Ethical Supply Chains** Data Privacy + Security ...and more

People to follow

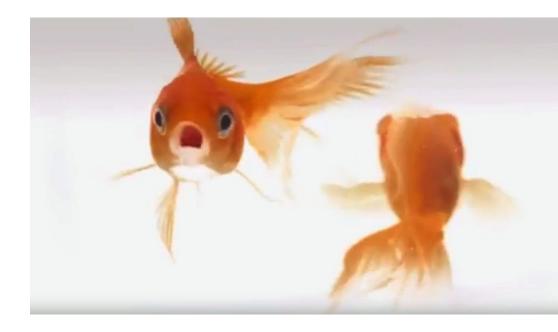
Safiya Noble — Noble — Algorithms of Oppression Ruha Benjamin — Race on Technology Kamal Sinclair — Guild of Future Architects Mimi Onuoha — People's Guide to Al Ellen Pao — Project Include Joy Buolamwini — Algorithmic Justice League Eli Pariser — Civic Signals Sarah Williams — MIT Civic Data Lab Kathy Pham — Mozilla, Harvard Wilneida Negron — Coworker Rumman Chowdhury - Parity Al Shoshanna Ziboff — Surveillance Capitalism

Other orgs

Ford Fdn — Public Interest Tech Initiative Berkman Klein Center at Harvard Zebras Unite — alternative exits Long Term Stock Exchange BLab Dev/Color — Supporting black technologists Code2040 — Building diverse talent pipelines in SV Responsible Innovation Labs Startups & Society Initiative All Tech is Human

Frameworks

Ethical OS Consequence Scanning Ethical Data Canvas Society Centered Design Design Justice Network Bcorp



Thank you!