## Repairing

Addressing harms despite limited power to enact structural change.

Can be implemented without challenging the system.

CATEGORY

## Transforming

Addressing harms without relying on ethically compromised systems.

Requires strategies that subvert or deconstruct standard AI practices.

CATEGORY

## Flourishing

Addressing personal and cultural expression, sustainment, and thriving.

Reorients damage-centered design practices.

CATEGORY

## Privacy

Ensuring participant data is not shared beyond those to whom participants directly consented.

PRINCIPLE

## Transparency

Providing clear documentation of a project's motivation, technical details, audience, funding, contributors, evolution, and so on.

PRINCIPLE

## Is AI Still Necessary Here?

OFF RAMP

## Collectivity

Developing non-hierarchical partnerships with historically marginalized communities.

PRINCIPLE

## Accessibility

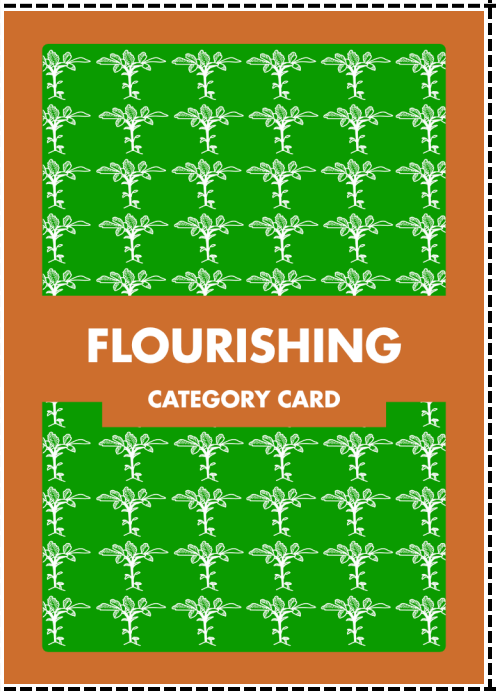
Making the project available to people with varying abilities, languages, dialects, and internet connectivity.

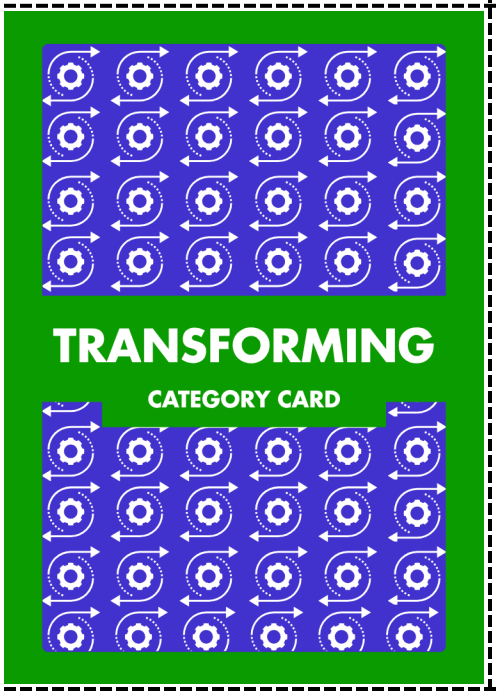
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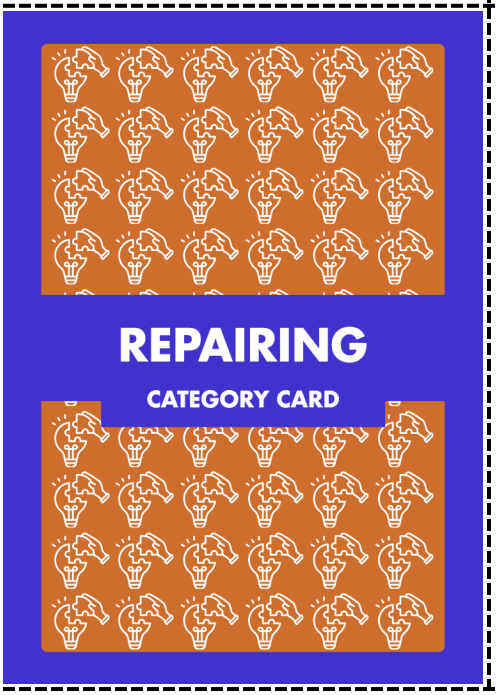
## Representation

Increasing the inclusion of historically omitted communities, cultures, items, or concepts in training datasets.

PRINCIPLE


FLOURISHING
CATEGORY CARD

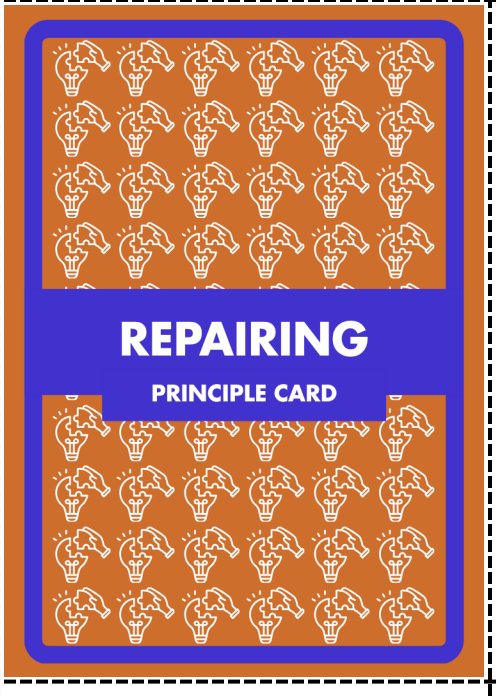

TRANSFORMING
CATEGORY CARD

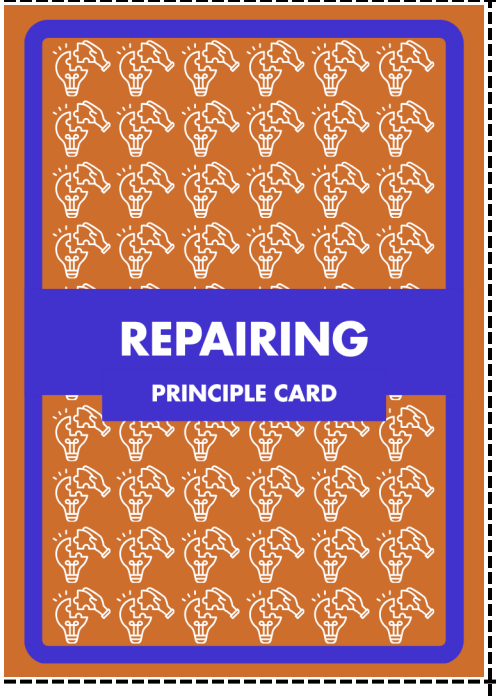

REPAIRING
CATEGORY CARD


REPAIRING
PRINCIPLE CARD


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REPAIRING
PRINCIPLE CARD



## Consentful

Receiving permission that is freely given, reversible, informed, enthusiastic, and specific.

PRINCIPLE



## Refusal

Rejecting to share one's data with compromised entities and/or refraining from building on dirty data and systems.

PRINCIPLE



## Critical Speculation

Using speculative practice and digital tools to supplement historical gaps and imagine new futures.

PRINCIPLE



## Could AI Be Swapped for An Old-School Machine Learning Technique?

OFF RAMP



## Redistributing Power

Enabling historically subjugated communities to critically engage with technology and shape its future development.

PRINCIPLE



## Operating in Parallel

Using ethically compromised systems and resources while simultaneously subverting and dismantling them

PRINCIPLE



## Sustainability

Minimizing environmental impact and promoting long-term ecological balance.

PRINCIPLE



## Cultural Attunement

Centering historical and cultural influences that are expressly valued by the represented community.

PRINCIPLE



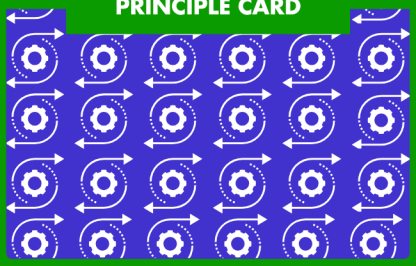
## Interiority

Tending to the internal reservoir of thoughts, feelings, desires, joys, and ambitions of individuals.

PRINCIPLE

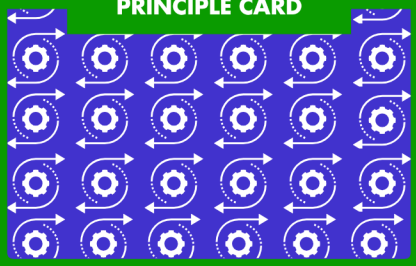
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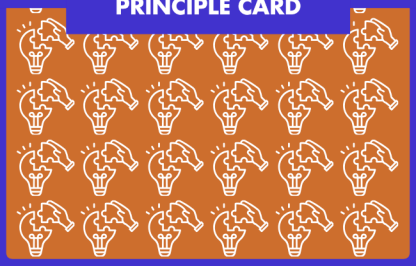
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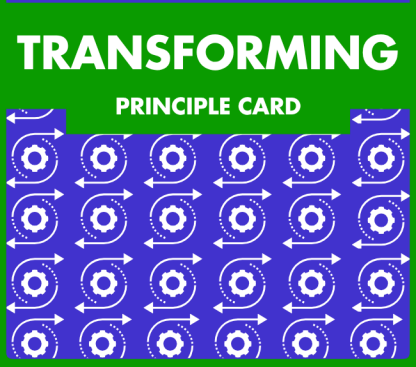
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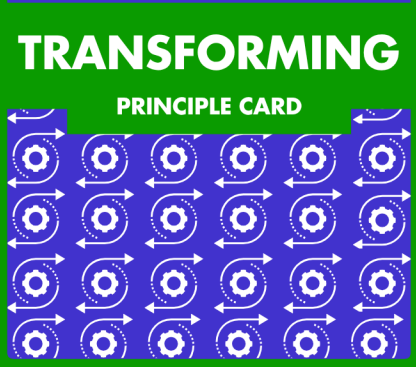
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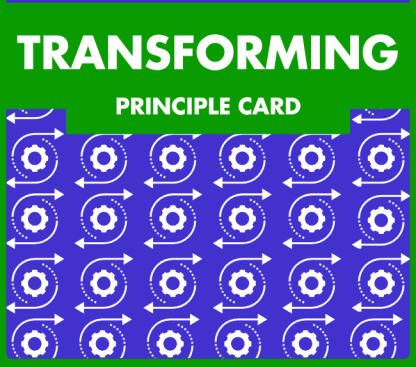
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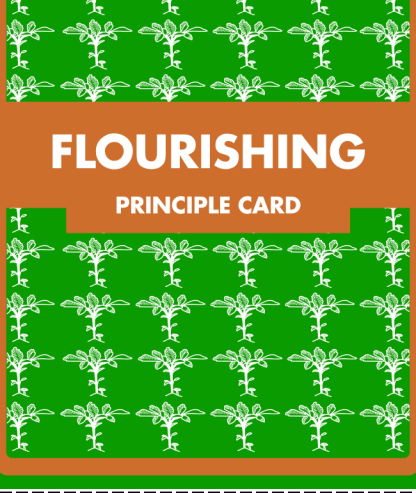
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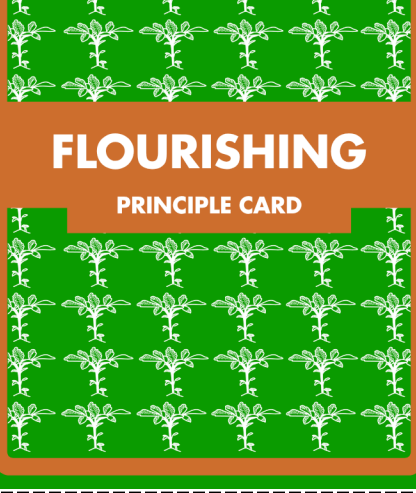
FLOURISHING

PRINCIPLE CARD



FLOURISHING

PRINCIPLE CARD



TRANSFORMING

PRINCIPLE CARD



## Reciprocity

Ensuring the mutual exchange of benefits between impacted communities and practitioners.

PRINCIPLE

## How Might the Use of AI Negatively Impact Your Relationship With Impacted Communities?

OFF RAMP

## Aesthetics

Designing a visual and expressive style that directly speaks to the represented people, culture, and political message.

PRINCIPLE

STRATEGY

## Representation

Develop a dataset full of overlooked cultural artifacts, people, or ideas.

Example Projects

STRATEGY

## Representation

Use AI and other design tools to depict artifacts, people, or ideas from a historically excluded community.

Example Projects

STRATEGY

## Consentful

Obtain permission from a person or estate to build a dataset based on their work.

Example Projects

STRATEGY

## Consentful

Develop mechanisms for participants to request access to, rectification of, and erasure of their personal data.

Example Projects

STRATEGY

## Privacy

Temporarily store personal data solely for the duration of the project interaction.

Example Projects

STRATEGY

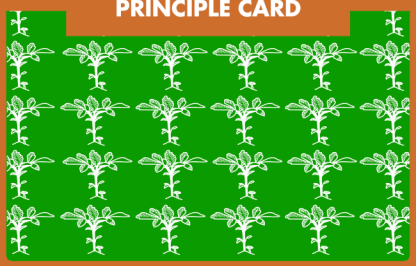
## Privacy

Maintain audit logging and application-level monitoring to prevent unauthorized access or data leakage.

Example Projects

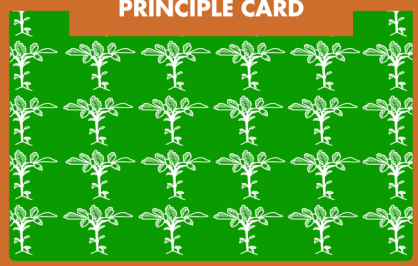
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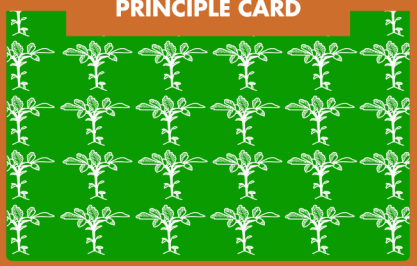
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PRINCIPLE CARD



FLOURISHING

PRINCIPLE CARD



REPAIRING

STRATEGY CARD



REPAIRING

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## How Might the Use of AI Negatively Impact Your Relationship With Impacted Communities?

OFF RAMP

STRATEGY

### Collectivity

Host workshops or other gatherings for communities to learn more about the project, contribute their expertise, and get involved.

Example Projects

STRATEGY

### Collectivity

Develop partnerships with organizations and individuals who belong to the represented and impacted communities.

Example Projects

STRATEGY

### Accessibility

Crowdsource a dataset contributed by differently abled people.

Example Projects

STRATEGY

### Accessibility

Seek out `hard-to-reach' populations by developing both mobile and desktop interfaces and systems that function in regions with low connectivity.

Example Projects

STRATEGY

### Transparency

Use images, video, and other multimedia to document the project throughout the process.

Example Projects

STRATEGY

### Transparency

Disclose the types of AI systems used and at what stage of the design process.

Example Projects

STRATEGY

### Redistributing Power

Release the project as open access, with documentation in accessible language, to enable people to contribute to or build on the work.

Example Projects

STRATEGY

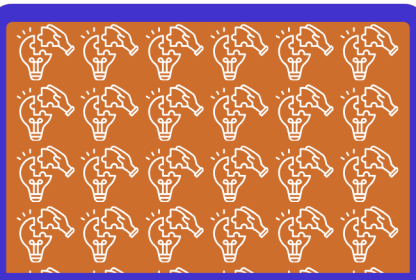
### Redistributing Power

Connect communities to external people and resources for additional support.

Example Projects

REPAIRING

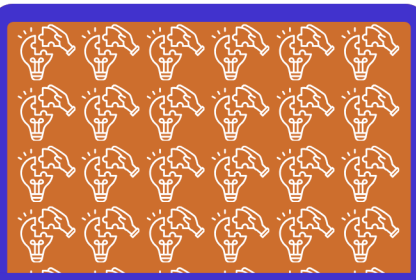
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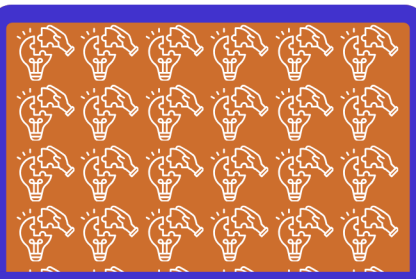
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REPAIRING

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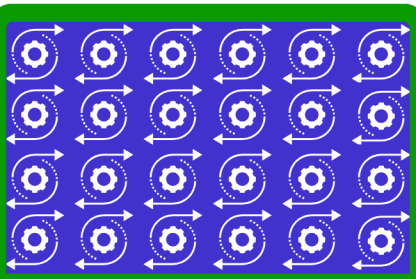
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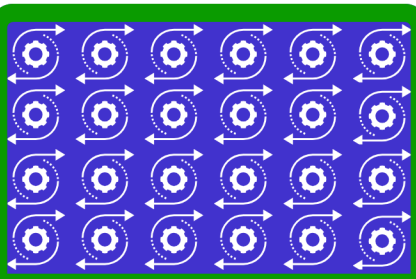
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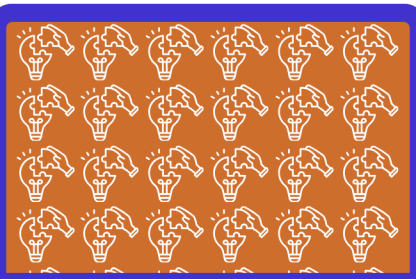
STRATEGY CARD





REPAIRING

STRATEGY CARD





STRATEGY

## Sustainability

Use discarded GPUs to develop decentralized micro-data centers

Example Projects

STRATEGY

## Sustainability

Investigate plant-based methods for storing data

Example Projects

STRATEGY

## Refusal

Create novel data (images, text, videos, etc.) to populate the dataset.

Example Projects

STRATEGY

## Refusal

Develop a novel AI platform with liberatory principles.

Example Projects

## Is AI Still Necessary Here?

OFF RAMP

STRATEGY

## Operating in Parallel

Misappropriate technology historically used for harm toward justice.

Example Projects

STRATEGY

## Operating in Parallel

Subvert a flawed system through liberatory coalition building and action

Example Projects

STRATEGY

## Critical Speculation

Use AI to imagine sociocultural materials that have been forgotten, erased, or neglected.

Example Projects

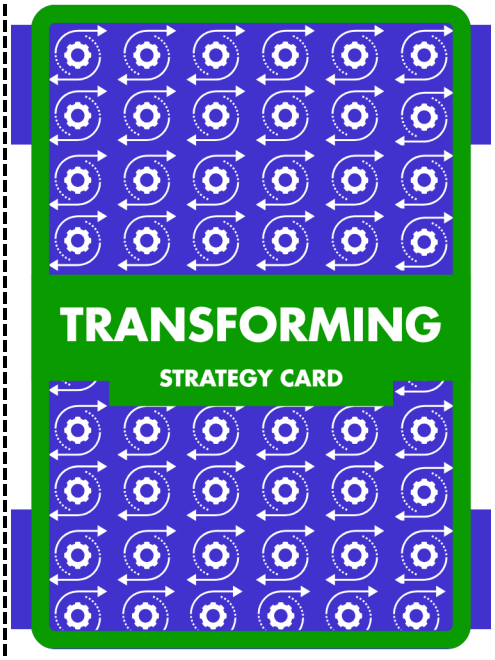
STRATEGY

## Critical Speculation

Use historical, cultural knowledge to speculate on how that knowledge would influence and interact with contemporary practices.

Example Projects


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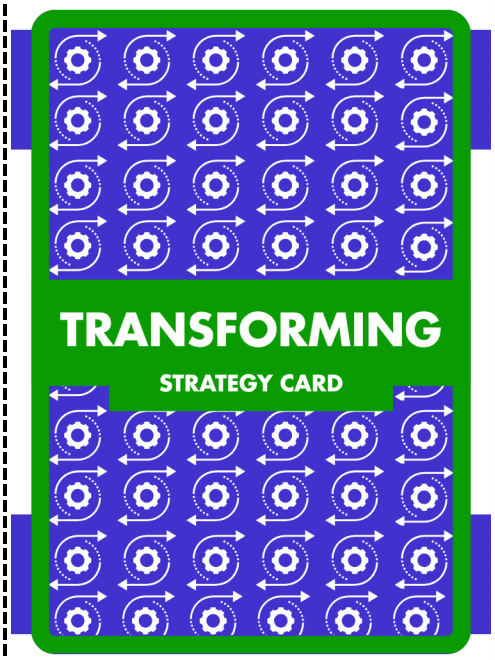
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STRATEGY

## Cultural Attunement

Study and partake in represented cultural traditions before reflecting them in a system.

Example Projects

STRATEGY

## Cultural Attunement

Center on an issue particularly urgent for the impacted community.

Example Projects

STRATEGY

## Interiority

Use 3D scanning or animation technology to depict personal gestures and movements.

Example Projects

STRATEGY

## Interiority

Record oral histories that capture moments when a person becomes comfortable or pauses between thoughts.

Example Projects

STRATEGY

## Reciprocity

Offer a workshop or resources focused on meditation, care, and liberation from oppressive systems.

Example Projects

STRATEGY

## Reciprocity

Financially compensate contributors.

Example Projects

## Could AI Be Swapped for An Old-School Machine Learning Technique?

OFF RAMP

STRATEGY

## Aesthetics

Design a tool in alignment with a visual style familiar to the represented community.

Example Projects

STRATEGY

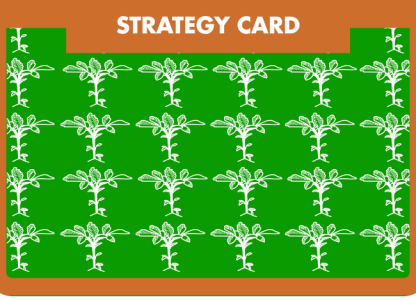
## Aesthetics

Develop or produce data that follows a specific cultural visual tradition.

Example Projects

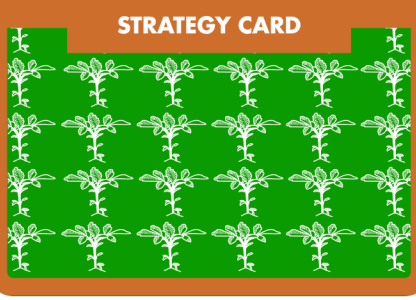
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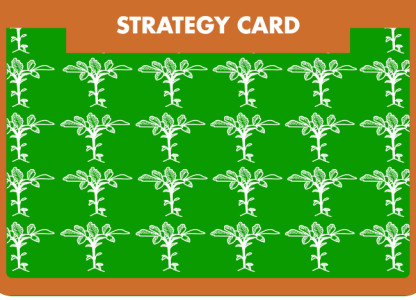
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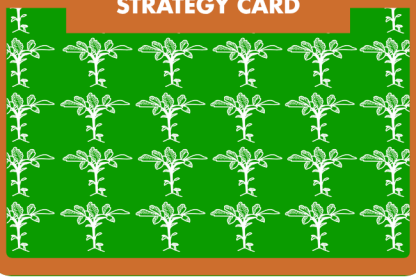
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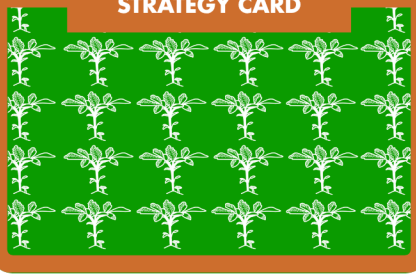
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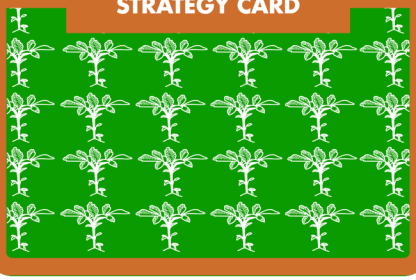
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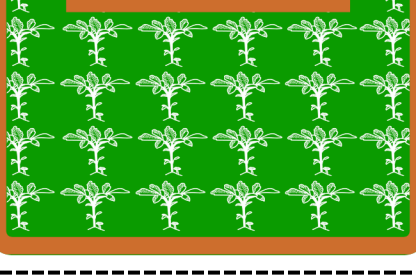
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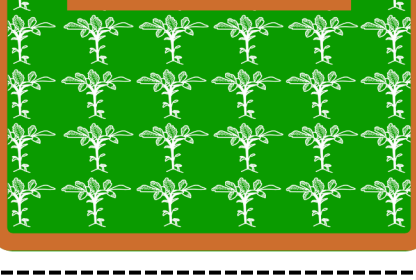
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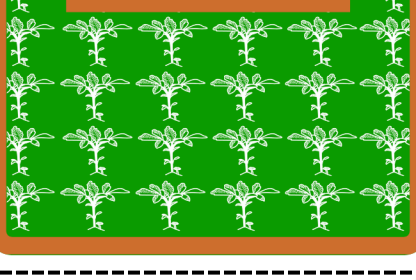
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NUANCE

## Representation

- Increased representation inside systems meant to destroy and dominate will never lead to liberation
- Accumulating increased information on communities with a history of being hyper-surveilled and abused often causes more undue harm
- Representation must accompany other liberatory principles

NUANCE

## Consentful

- When designing consentful technology, place the heaviest burden on the tool's creator, not the user.
- Person A's consent to share their data may also force the sharing of information about Person B, who did not consent.
- When Group A consents to share their data, Group B may face adverse consequences because they are now subject to the technology built with it.
- Reversibility may conflict with research reproducibility.

NUANCE

## Privacy

- AI can parse aggregate data, making inferences about a person beyond what is explicit in the data.
- People with rare disabilities face even greater privacy risks when their data is used in AI systems, and standard privacy-preserving techniques are ineffective against re-identification.

## Could AI Be Swapped for An Old-School Machine Learning Technique?

OFF RAMP

NUANCE

## Collectivity

- Requires additional time and resources to support the relationship and appropriately compensate partners for their contributions.
- Necessitates rethinking the design process and dedicating additional time and effort to engender trust and solidarity with collaborators.
- See power and collaboration as fluid and constantly under renegotiation.

NUANCE

## Transparency

- Documentation must be an anticipated step in the design process so as not to be overlooked, rushed, or truncated at the very end.
- Automated documentation runs counter to the objective of having practitioners reflect on their process.
- Document more than the barest technical details, being sure to consider and note the principles and worldviews impacting the work.

NUANCE

## Accessibility

- A project can be publicly available yet inaccessible to people with different abilities and connectivity.
- Accessibility should influence every step of the design process, not just the end.
- Rather than treating accessibility as an accessible/inaccessible binary, consider it a dynamic scale based on who the target audience is and the conditions under which features are accessible.

NUANCE

## Redistributing Power

- Power dynamics are ever-evolving in collaborative projects.
- Broader sociotechnical contexts, cultural differences, and interpersonal relationships influence power.
- Uncovering and renegotiating power dynamics is a continuous part of the process.

NUANCE

## Sustainability

- Developing truly sustainable AI practices means interrogating and destroying the capitalistic, colonialist ideologies undergirding these systems.
- Sustainability includes offsetting how a project feeds into the continuous extraction of environmental resources.
- Systemically marginalized people's labor should also be offset in sustainable practice.

REPAIRING

NUANCE CARD



REPAIRING

NUANCE CARD



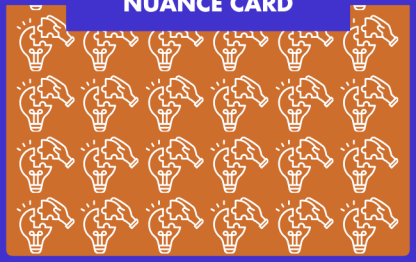
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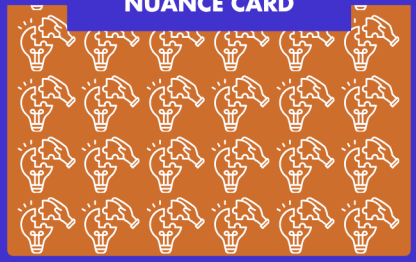
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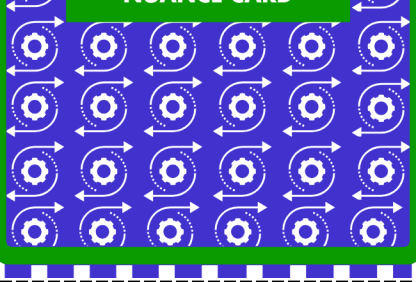
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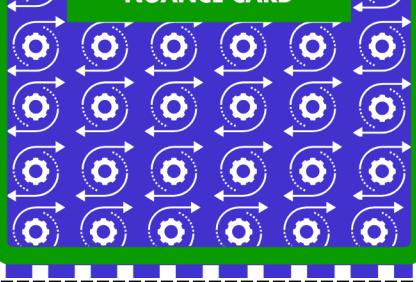
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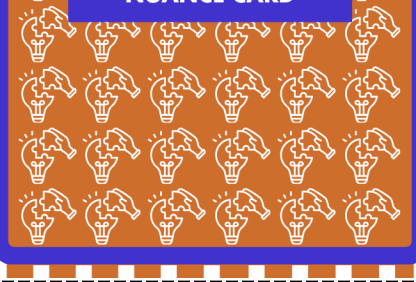
TRANSFORMING

NUANCE CARD



REPAIRING

NUANCE CARD



NUANCE

## Refusal

- Refusal undoubtedly shakes up the design process and slows things down, but that is necessary.
- Refute a colonial mindset that all knowledge must be conquered.
- See refusal as a generative act that allows for the renegotiation of underlying assumptions and conditions of inquiry.

## How Might the Use of AI Negatively Impact Your Relationship With Impacted Communities?

OFF RAMP

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## Operating in Parallel

- Most needed when entirely liberatory pathways are severely limited and difficult to locate.
- Subversive work must not be confused with passive complacency within ethically compromised systems.
- When done right, operating in parallel becomes less and less necessary with each justice-based project and discovery.

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## Critical Speculation

- Question what constitutes historical accuracy, fact, and significance.
- Ground the work in rigorous, intentional, and care-driven engagement with the history and culture of those historically harmed by oppressive systems.
- This notably differs from the destructive fictions that are nonsensical AI hallucinations or malicious misrepresentations of the past meant to further authoritarian regimes.
- How might model bias impact this?

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## Cultural Attunement

- Cultural attunement moves away from universality in design, embracing the specificity that comes from designing for a particular group, time, location, and use.

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## Interiority

- A person's or culture's interiority can be difficult to depict.
- Inner worlds are personal, sensitive, and sometimes not even understood by the person to whom they belong, let alone by outside entities.
- The sharing of one's inner world must be predicated on a foundation of trust and care.

## Is AI Still Necessary Here?

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## Reciprocity

- Framing collective relationships as transactional reinforces neocolonial logics of knowledge extraction and exploitation.
- Practitioners should be honest about how they may unevenly benefit from the partnership.
- All collaborators should discuss what long-term reciprocity should look like.

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## Aesthetics

- There is no single monolithic perspective that can encompass all members of the same race, ethnic group, or sexuality.
- Remain open to the many aesthetic possibilities that may better suit a specific project and the represented communities.

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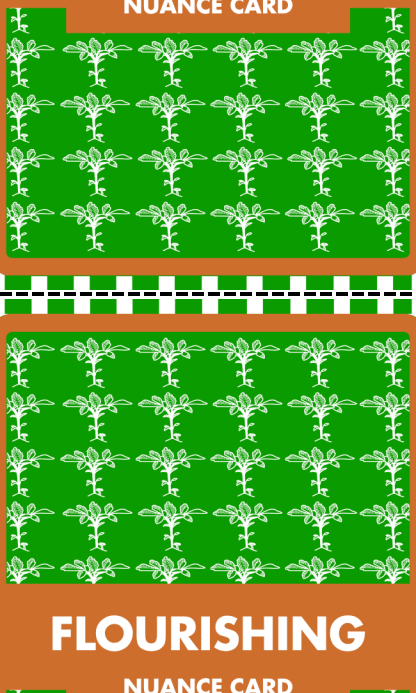
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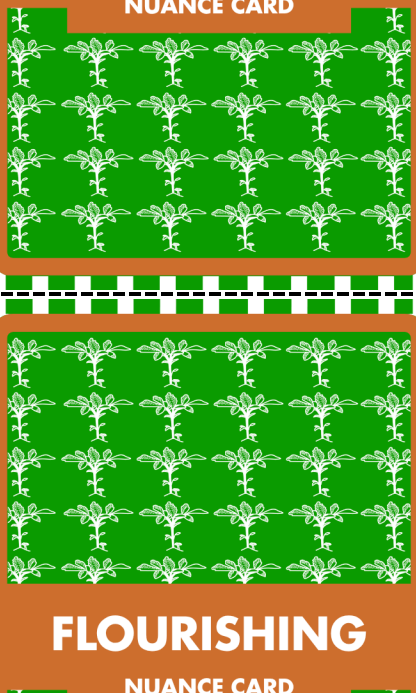
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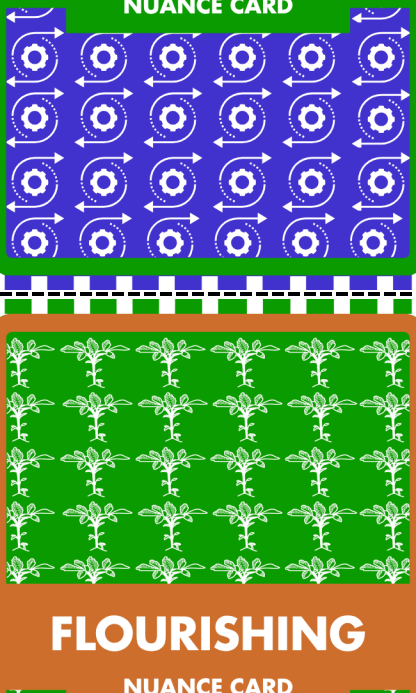
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