Ethics&AI: Designing For Health

@astridpie
@astridc
Astrid Chow

@piquancy
@amy
Amy Chenault

@carologic
@carol
Carol Smith

Joel Wu
Advance Care Planning & Advance Directives
Breaking Bad News
Clinical Ethics and Law
Complementary Medicine
Confidentiality
Cross-Cultural Issues and Diverse Beliefs
Difficult Patient Encounters
Do Not Resuscitate Orders
during Anesthesia and Urgent Procedures
End-of-Life Issues
Ethics Committees and Consultation
Futility
HIV and AIDS
Informed Consent
Interdisciplinary Team Issues
Maternal / Fetal Conflict
Mistakes
Neonatal ICU Issues
Parental Decision Making
Physician Aid-in-Dying
Physician-Patient Relationship
Professionalism
Public Health Ethics
Research Ethics
Resource Allocation
Spirituality and Medicine
Student Issues
Termination of Life-Sustaining Treatment
Truth-telling and Withholding Information

... and more
Designing for Healthcare with AI
I’m Astrid.

@astridpie
@astridchow
I’m Amy.

@piquancy

@amy
I’m Joel.

linkedin.com/in/joeltwu/
I’m Carol.

@carologic
@carol
You.
sli.do / #2375
@IAS17
Existing Codes of Ethics in Design

ASIS & T Professional Guidelines
UXPA Code of Professional Conduct
AIGA’s Code of Ethics
Mad Pow’s Designer Oath
First Things First Manifesto
Value Sensitive Design
…and more
Existing Codes of Ethics Elsewhere

Hippocratic Oath
APA’s Code of Ethics
Partnership on AI
Bioethical principles
…and more
Principles of Biomedical Ethics

Respect for Autonomy
Do No Harm
Beneficence
Justice
OK, thanks for sharing that...

While you wait for others to reply, I may have some ideas that could help 😊

Yea, here's a thought...

There's no such thing as normal, and lgbt. Normal is you. You see yourself, that's normal. The people who love you will see this too, even if it takes some time 💖💖
Respect for Autonomy
Do No Harm
Beneficence
Justice
I have to say that the technology itself looks like an interesting idea, but if it's in the hands of people who behave in this way, that is incredibly disturbing.

According to their google it's only on kik and FB messenger.

The bot account is definitely active here behind the scenes.

Yeah but I mean is it actually koko? I got dms as well. Their website seems to make no mention of reddit and they seem legit.
“‘One mod bent out of shape on how we handled the launch vs. many at-risk people helped in a way that they appreciated,’ was a trade-off Kelton could live with.”

*The Empathy Layer, Ben Popper; The Verge, 3/2/2017*

“You have to walk on egg shells more than usual as a [UX Designer]…”

Christian Crumlish, Head of Product @ 7cups.com
The Ethics of Behavioral Health Information Technology
Frequent Flyer Icons and Implicit Bias

Michelle Joy, MD
Department of Psychiatry,
Perelman School of Medicine, University of Pennsylvania, Philadelphia.

A subpopulation of individuals with serious mental health conditions makes repeated and frequent visits to emergency departments and psychiatric crisis centers. These so-called super utilizers often have financial problems and present with chronic or untreated comorbid psychiatric and substance use disorders. Given these facts, the reinforcement of any stigmatizing concept within the medical record system or health information infrastructure is ethically problematic. Stigmatizing iconography presents the potential for
Respect for Autonomy
Do No Harm
Beneficence
Justice
Topic 3 of 3

Watson + Clinical Decision Making
Imagine designing AI that informs clinical decisions during times of medical crisis.
Topic 3 of 3

Respect for Autonomy
Do No Harm
Beneficence
Justice
<table>
<thead>
<tr>
<th>Individuals Affected</th>
<th>Changes in Individual Behaviour</th>
<th>Social Conflicts</th>
<th>Organisation or Group Interests</th>
<th>Organisations and Groups Affected</th>
</tr>
</thead>
<tbody>
<tr>
<td>Identify the types or categories of individuals affected by the product or service, such as men/women, user/non-user, age-category, etc.</td>
<td>Name problematic differences in individual behaviour such as differences in habits, time-schedules, choice of activities, etc.</td>
<td>Capture possible social conflicts that could be caused by the project, such as labour conflicts, minority/majority conflicts, ethnic conflicts, etc.</td>
<td>Identify relevant ethical interests that other organisations or groups might have in your project, such as environmental, privacy, justice interests.</td>
<td>Identify the collectives or communities, e.g. groups or organisations, that can be affected by your product or service, such as environmental and religious groups, unions, professional bodies, competing companies and government agencies, considering any interest they might have in the effects of the product or service.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Changes in Individual Relations</th>
<th>Resolving ethical impacts</th>
<th>Public Sphere</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name problematic changes in relations between individuals, such ways of communication, frequency of interpersonal contact etc.</td>
<td>Select the four most important ethical impacts you discussed. Identify ways of solving these impacts by changing your project’s product/service design, organisation or by providing recommendations.</td>
<td>Discuss how the general perception of somebody's role in society can be affected by the project, e.g. people behaving more individualistic or collectivist, people behaving more or less materialistic.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Products and Services provided</th>
<th>Impact of product or service failure</th>
<th>Impact of resource consumption</th>
<th>Resources needed</th>
</tr>
</thead>
<tbody>
<tr>
<td>Name the different types of products and services that your project will provide</td>
<td>Capture the potential negative impact of your product or service failing to operate as intended, e.g. technical or human error, financial failure/receivership/acquisition, security breach, data loss, etc.</td>
<td>Capture possible negative impacts of the consumption of resources of your project, e.g. climate impacts, privacy impacts, employment impacts etc.</td>
<td>Capture the consumption of energy, raw materials, human resources, financial capital, social capital (trust, tolerance,...), marketing capital (reputation, brand,...), privacy and personal data needed by your product or service.</td>
</tr>
</tbody>
</table>
Respect for Autonomy
Do No Harm
Beneficence
Justice
“Our machines should be nothing more than tools for extending the power of the human beings who use them.”

Thomas J. Watson, Jr.
Thank You

Laura Lee
Christian Crumlish
Juhan Sonin
Gabriel M. Santibañez, Ph.D
David Millen, Ph.D
Michael Muller, Ph.D

Susan Mercer
Amber Atkins
Russell Parrish
Dee Sadler
Steven McGrew
Thank You

@astridpie
@astridc
Astrid Chow

@piquancy
@amy
Amy Chenault

@carologic
@carol
Carol Smith

Joel Wu