

CSI5137: ETHICS IN AI

WINTER 2020

DESIGN ASSIGNMENT #1 – DRAFT VALUE MAP

This assignment is worth 5% of your final grade.

Instructions: Create a clean draft of your Value Map for your Ethical Robotics & AI Design Project. You will need to submit a file electronically that includes: (1) a final visual representation of your Value Map, and (2) evidence of the work (design iteration) that went into creating your Value Map (e.g. pictures of rough work taken on your phone...see below). Your Value Map must include visual representations of:

1. Stakeholders;
2. Values;
3. Value Tensions, with clear explanations of the value tensions.

You will need to decide how many stakeholders, values, and value tensions to represent in your Value Map. You will also need to decide how to visually represent all of the information. The goals here are clarity, iteration, and creativity, not quantity!

Though this is a draft of your Design Project Value Map, it should be treated as a final draft, that is, it should be the value map that you would feel comfortable submitting with your final project. (Of course, you will have time to modify and improve your final project value map based on feedback on this assignment, but you should aim for a polished value map for this assignment.)

Grading:

Clarity: The value map must **clearly** communicate the key elements of the value map (stakeholders, values and tensions). (5/10)

Evidence of Design Iteration: Document your progress as you brainstorm different visual representation ideas for your Value Map! Take pictures of your own ideas and other visualizations that inspire you as you progress/iterate toward your final Value Map. Iteration is important in design—you should not treat your first idea as your best idea. Good ideas evolve through iteration. Think of the Amazon Echo and AI Principles data visualizations as examples of effective visual representations. Do some research online to find data visualizations that inspire you to represent your information uniquely and clearly. Document your thought process. Note: this is NOT about iterating on lists of stakeholders and values, rather you need to brainstorm and test out different ways of visually representing your value map. (5/10)