# Value Alignment NOW!

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#### Value alignment

"The most convincing argument [for the problem with an intelligence explosion] has to do with value alignment: You build a system that's extremely good at optimizing some utility function, but the utility function isn't quite right."

Stuart Russell 2014

#### Value alignment

Some experts have expressed concern, though, that it [the invention of superintelligence] might also be the last [event in human history], unless we learn to align the goals of the Al with ours before it becomes superintelligent.

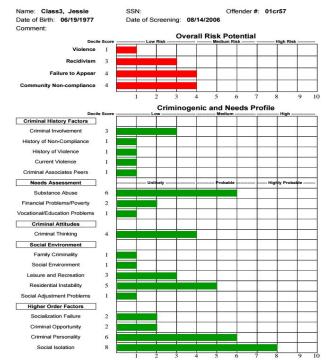
#### WHY RESEARCH AI SAFETY?, futureoflife.org

# Need to align values today

COMPAS misaligned with our values on racial discrimination

Black defendants who did not recidivate over a 2 year period were twice as likely to be misclassified as higher risk compared to white defendants (45 percent vs. 23 percent).

#### Northpointe COMPAS Risk Assessment



## Need to align values today

TAY chatbot misaligned with our values about freedom of speech

At least in Germany, certain aspects of nazism are not tolerated in free speech



# **Superintelligence** may magnify problem

#### BUT it exists today!

### **Keep some decisions human**

Even if we could correctly predict recidivisim, should we let machines (effectively) lock people up?



#### **Keep some decisions human**

Even if we could correctly target, should we let machines kill people?



#### **Need to align values of machines NOW!**





#### **Need to align values of machines NOW!**



(a) Three samples in criminal ID photo set  $S_c$ .



(b) Three samples in non-criminal ID photo set  $S_n$ Figure 1. Sample ID photos in our data set.

### We need to take responsibility

Some things we can do

That we shouldn't!

