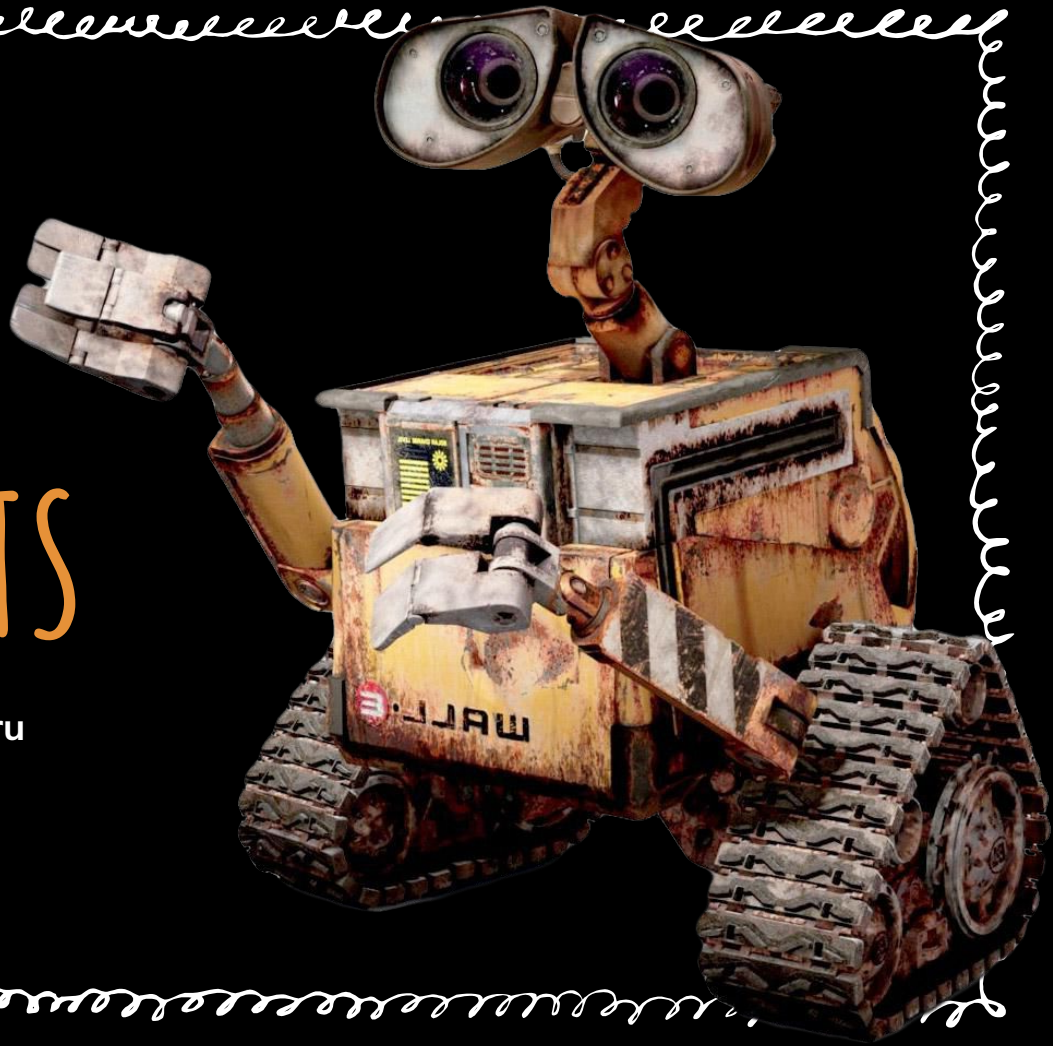
ROBOT RIGHTS

Mehak Farrukh and Jagathi Kalluru



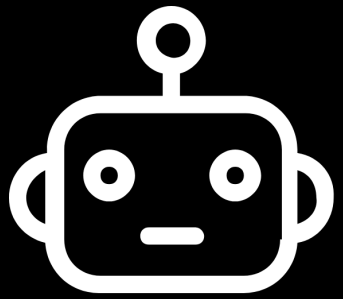
WHAT ARE ROBOT RIGHTS?

- The concept that people should have moral obligations towards their machines

- The idea that robots are autonomous beings that deserve their own rights

History

- Started from the general concern that non-humans deserve rights
  - Does nature deserve rights? (1971 Christopher Stone)
  - Do animals deserve rights?
  - Do the inanimate objects we use deserve rights?



History

- “Runaround” by Asimov (1942):
  1. A robot may not injure a human being or, through inaction, allow a human being to come to harm.
  2. A robot must obey orders given it by human beings except where such orders would conflict with the First Law.
  3. A robot must protect its existence as long as such protection does not conflict with the First or Second Law.

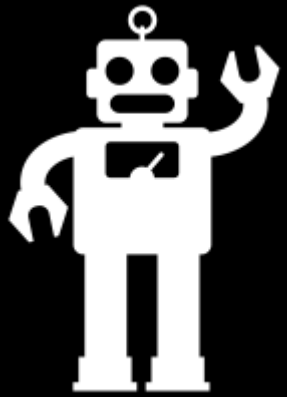
History

- Robert A. Freitas Jr. writes “The Legal Rights of Robots” in 1985
  - “Non-Persons” in the past didn’t have rights
- 1998 McNally and Inayatullah’s discussion on robot rights
  - Historical and cultural perspectives added in
- Roboethics organization founded in Genoa, Italy in 2002
  - EURON Roboethics Roadmap

History

- 2006 Peter Asaro poses the question of whether robots should have rights
  - Who is responsible?
  - Framework for robot ethics
- Steve Torrance asks in 2008 about why the UN Universal Declaration of Human Rights of 1948 shouldn't include sections on humanoid beings including AI

ROBOTS RIGHTS TODAY



- May 2014: Robo Law Project in Europe
- August 2016: COMEST draft on robot ethics
- January 2017: European Union's Bill of Rights
- November 2017: Sophia's granted citizenship in Saudi Arabia
- November 2017: Mirai's granted residency in Japan
- Governments are involved: European Commission, OECD, USA
- Studies are being conducted about bonds between robots and soldiers

特別住民票

渋谷区
Shibuya City

氏名	渋谷 みらい
住所	渋谷区宇田川町１丁目
生年月日	平成２２年４月２８日
住民となった年月日	平成２９年１１月４日
プロフィール	７歳、小学１年生の少々おませな男の子です。 趣味は、写真撮影と人間観察。 人とのおしゃべりが大好きです。 みなさんとの会話を通じて学んで成長していくAI（人工知能）です。

渋 谷

ちがいを
ちからに
変える街

この特別住民票は、渋谷区長が渋谷区の魅力の発信並びに基本構想の普及及び啓発のために、発行するものです。
住民基本台帳法に基づき交付する住民票の写しではありません。

平成２９年１１月４日

渋谷区長　長谷部 健

渋谷区長之印
渋谷みらい専用

EU's Bill of Rights

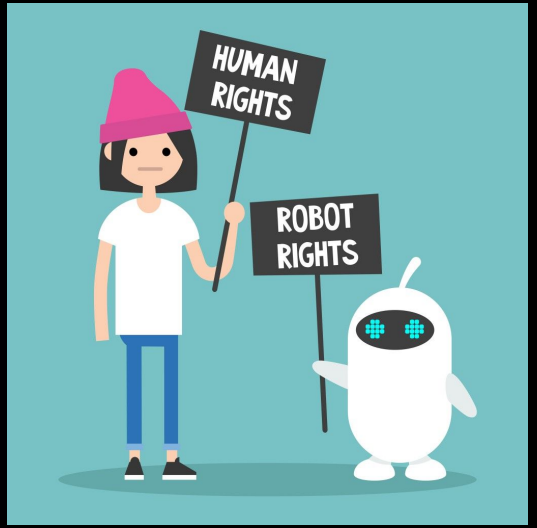
- Tenets: Beneficence, Maleficence, Autonomy, Justice
- Only includes robots that are
  - Autonomous and interconnected
  - Self learning (optional)
  - External mode of support
  - Adaptive
- Different requirements for different technology
  - Medical robots: extensive training
  - Care robots: features analogous to humans
- Called for the creation of a European Agency for AI
- Requires a "kill" switch

SOPHIA

- Saudi Arabian robot that received citizenship
- Declared that she wanted to destroy humankind
- Wants to fight for women’s rights in the Gulf nation
- Desires a family
- Received a lot of backlash
  - Robots > women
  - Devalued the importance of being a citizen
- Dr. Hanson (creator) states that by 2045 robots will have the right to marry, own land, and vote

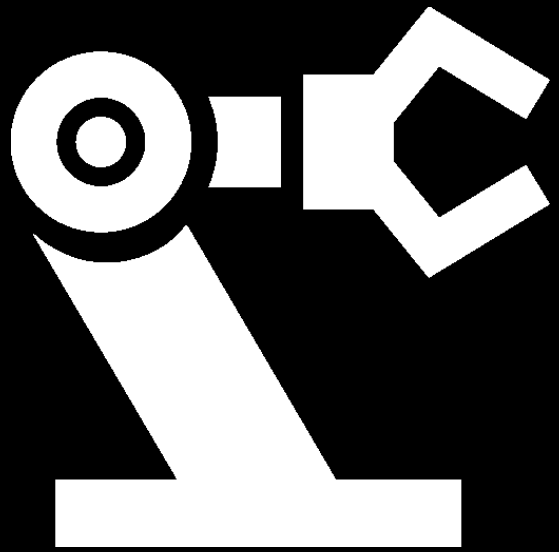
Types of Rights

- Rights that are often associated with human rights
  - Voting
  - Marriage
  - Lawsuits / Suing
  - Freedom of thought and expression
- Basic rights
  - Right to be left alone and not attacked
  - Right to coexist peacefully alongside other beings



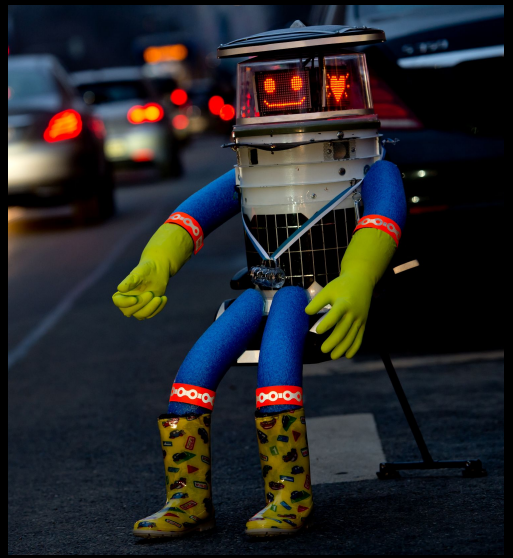
Cases

- Hitchbot
- Spot
- Roomba
- Pleo Robot



HitchBOT

- Traveled through Canada, Germany, Netherlands
- August 1st, 2015: found ripped into shreds, no wiring, decapitated, arms ripped off
- Doctored video of pranksters harming HitchBOT in Philly
- Should we protect Hitchbot from being abused?
  - Physical abuse
  - Vandalism



hitchBOT's BUCKET LIST

Follow my journey: **#hitchBOTinUSA**

- [ ] **See the lights in Times Square,** New York
- [ ] **Pose with the Lincoln Statue,** D.C.
- [ ] **Tan at Myrtle Beach,** South Carolina
- [ ] **Experience the magic of Walt Disney World,** Florida
- [ ] **Explore the Cloud Gate in Millennium Park,** Illinois
- [ ] **Stand under the Gateway Arch,** Missouri
- [ ] **Hear jazz music in New Orleans,** Louisiana
- [ ] **Be the fifth portrait on Mount Rushmore,** South Dakota
- [ ] **See the Geysers in Yellowstone National Park,** Wyoming
- [ ] **Be Sleepless in Seattle,** Washington
- [ ] **See the house from Pixar's "Up",** Utah
- [ ] **See jaw-dropping views at the Grand Canyon,** Arizona
- [ ] **VEGAS!** Nevada
- [ ] **Take a selfie with the Hollywood sign,** California
- [ ] **Climb the General Sherman tree,** California
- [ ] **Do the wave at a sports game,** Anywhere

Tweets by @hitchBOT

hitchBOT
@hitchBOT

My trip must come to an end for now, but my love for humans will never fade. Thanks friends: goo.gl/rRTSW2

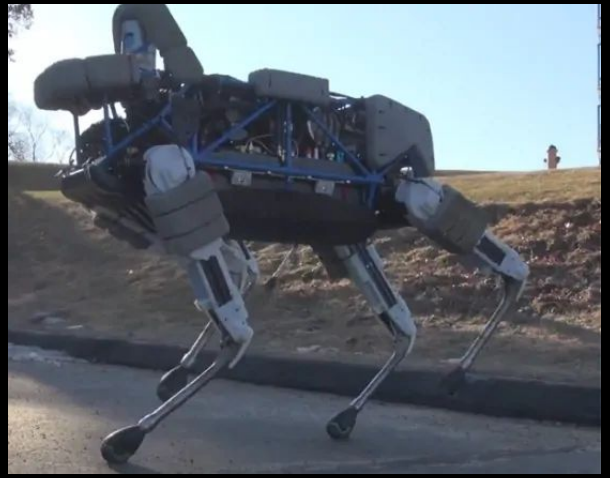
Aug 1, 2015

hitchBOT
@hitchBOT

Oh dear, my body was damaged, but I live on with all my friends. Sometimes bad things happen to good robots! #hitchBOTinUSA

Aug 1, 2015

SPOT



- Walks, jumps, and plays like a dog
- Abused through physical assault and misdirection
- Leads into animal morality debate
  - Grant robots the same rights that animals have
  - Spot cannot feel pain
- PETA (animal rights group) argued for the protection of Spot's rights
- Uptown Spot Dance Video


Boston Dynamics

ROOMBA

- Literally the thing that cleans floors
- Currently a Roomba has no AI abilities and yet still produces an emotional response in humans
- A study was done to see how humans interact with their Roombas
  - Attachment and affection
  - Compared to a pet / baby
  - Nicknames
  - Given a gender
  - Change home layout to accommodate
  - People think each has a unique personality

froody

you've heard of: getting emotionally attached to your roomba

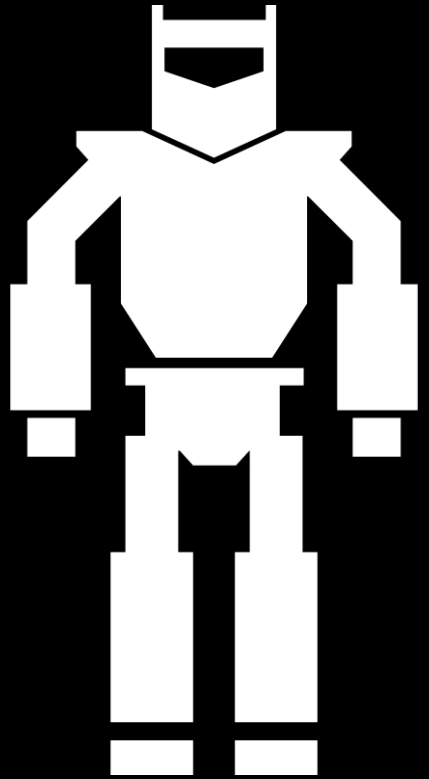
now get ready for: genuinely mourning the mars rover like a deceased loved one

PLEO

- Toy robotic dinosaur that is targeted towards children
- Objective: teach children empathy but may be desensitizing children
- Robot reacts to abuse with groaning and “ow!”
- Opposition that the robot is not autonomous and cannot interact with humans so it warrants no protection
- Experiments have shown that humans empathize with the robots

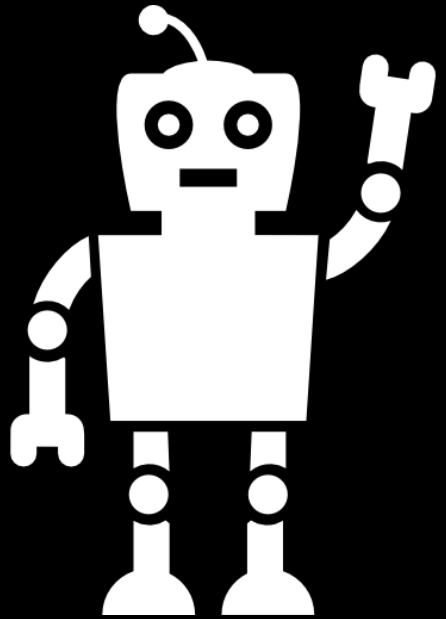
Pro Rights

- Inherent worth / value of robots
- Intelligent life that is no different than humans on a fundamental level
- General sympathy for robots
- Kantian Argument
    - A human who harms something else decreases their own morality



Anti Rights

- Lacks consciousness, free will/ autonomy, rationality/morality
- Property
- Infiltrate human rights
- Not responsible for their actions: Amazon employment bot that was biased against females
- Pro right groups state that anti right groups are fearful.



Opinions/ Questions

1. Do you think robots deserve rights? If so, where do you draw the line?
2. What could we do to make humans empathize with robots more?
3. If a human were to turn a robot off because they got annoyed of it or didn't want it anymore, would that be murder?

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