Socially Assistive Robotics (SAR) project kickoff

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Yale

Large collaboration project

Yale, MIT, USC, Stanford, & Cornell

Use social robots to promote positive behavioral changes for children with ASD

Challenges

Autonomous interactions

Personalization for sustained engagement

Effective intervention program

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Significant Impact

Help Science,
Help Kids with ASD

the nitty-gritty …

Logistics

- Talk to your direct mentor or me

- Slack private Yale channel

- March 3 meeting? (Before people's HRI travel)

  - Bi-weekly meeting?

- Lab resources

Use <u>Python</u> whenever possible

Robot Operating System (ROS)

http://wiki.ros.org

Communication mechanisms

- Topic
  - subscribe
  - publish
- Service
  - request
  - response

ROS+Docker

http://wiki.ros.org/docker/Tutorials/Docker

Task 1 – March 3

· Install Docker

· Download ROS container

· Walk through ROS tutorial (http://wiki.ros.org)