ROBOT OPERATOR LICENSE

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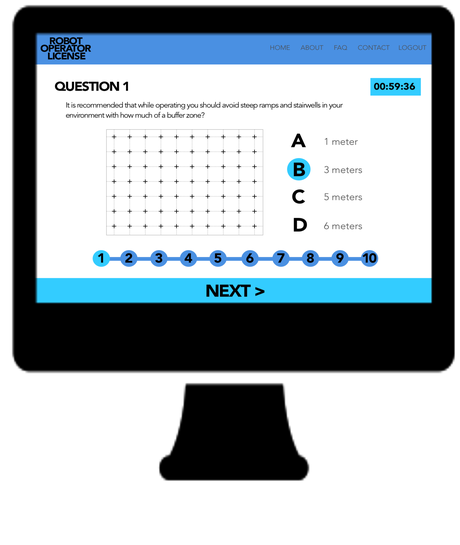
INTRO

The rise of robotics will pose the next grand technology policy challenges. Robots have begun leaving factories and entering our homes, yet there is no standard for the operation of these machines. Teleoperated robots are becoming more accessible and ubiquitous and as they become increasingly functional, with features such as arms, the uneducated user of this machinery poses notable risks to public safety.

In order to close this robot operator qualification gap, we have developed a training program to ensure public safety as robots are integrated into everyday life.

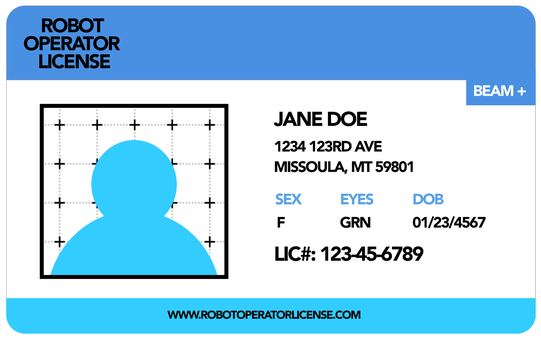


PROBLEM

The idea for the training program is similar to that of today's required driver's education course. When automobile technology was introduced into society, there was a recognized need for training and licensing to better ensure that driver's on the road understood how to operate this new machinery. This desire for safety can be applied to the introduction of robotic machinery into our everyday lives as well. Our training program helps users understand how to correctly operate a teleoperated/telepresence robot and receive a "robot driver's license" after successfully completing the course.

SOLUTION

We partnered with the University of Washington Human-Centered Robotics Lab to further their current teleoperated robotics research. We have built a course for the Beam+ telepresence robot to demonstrate a proof-of-concept for this type of training. Along with the training course, we aim to raise awareness of the rise of robotics as apressing technology policy issue.



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