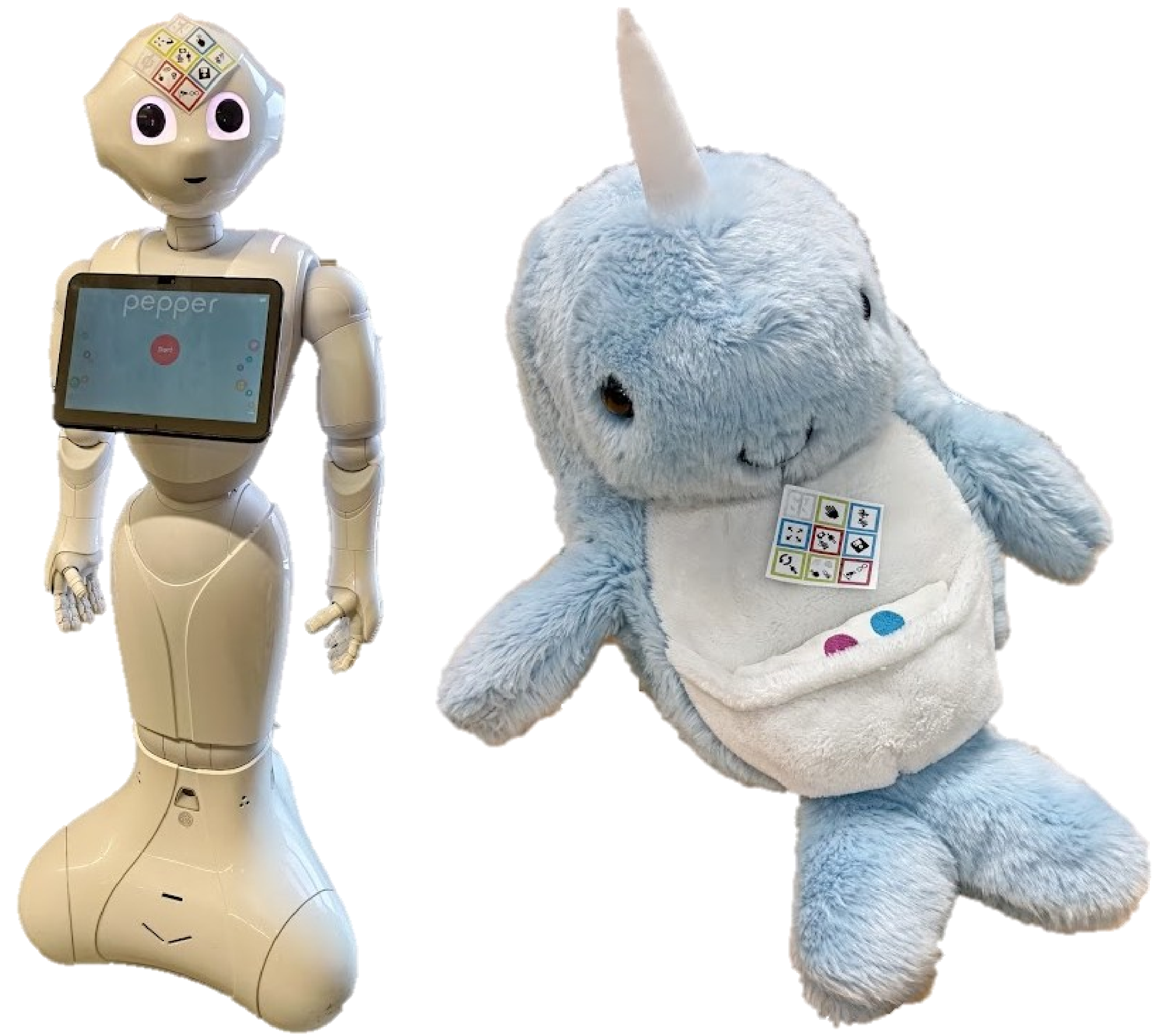


Interact at Own Risk! Developing a Prototype of a Robot Hazardous Capability Labeling System



WARNING

**These robots are
monitoring you with AI!**

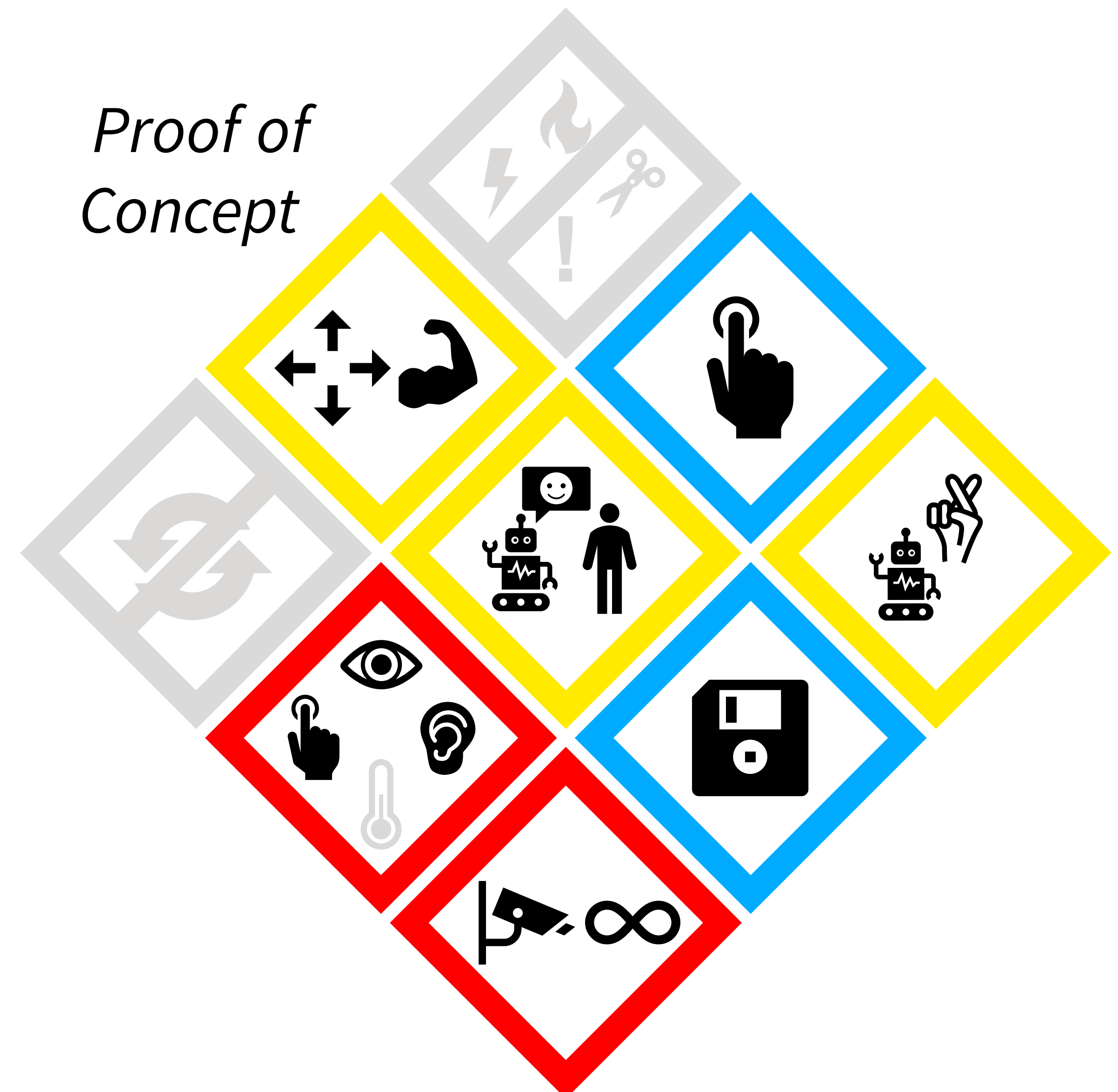


Robots pose unique hazards
which users may not be aware of.

We developed an initial framework
of 9 key types of robot hazards...

physical	kinetic hazards
	mechanical hazards
	physical intimacy
social	persistent interaction
	social intimacy
	deception
data	collection modalities
	collection duration
	storage locality

*Proof of
Concept*



...and a prototype labeling system to
warn users before they chose to interact.

Going forward, we will conduct design workshops to...

Identify intuitive and generalizable icon designs

Understand the coverage and limits of our framework

Explore different means of hazard warning and communication



University
of Manitoba

HCI Lab
Computer Science

James M. Berzuk*, James E. Young

berzukj@myumanitoba.ca

hci.cs.umanitoba.ca