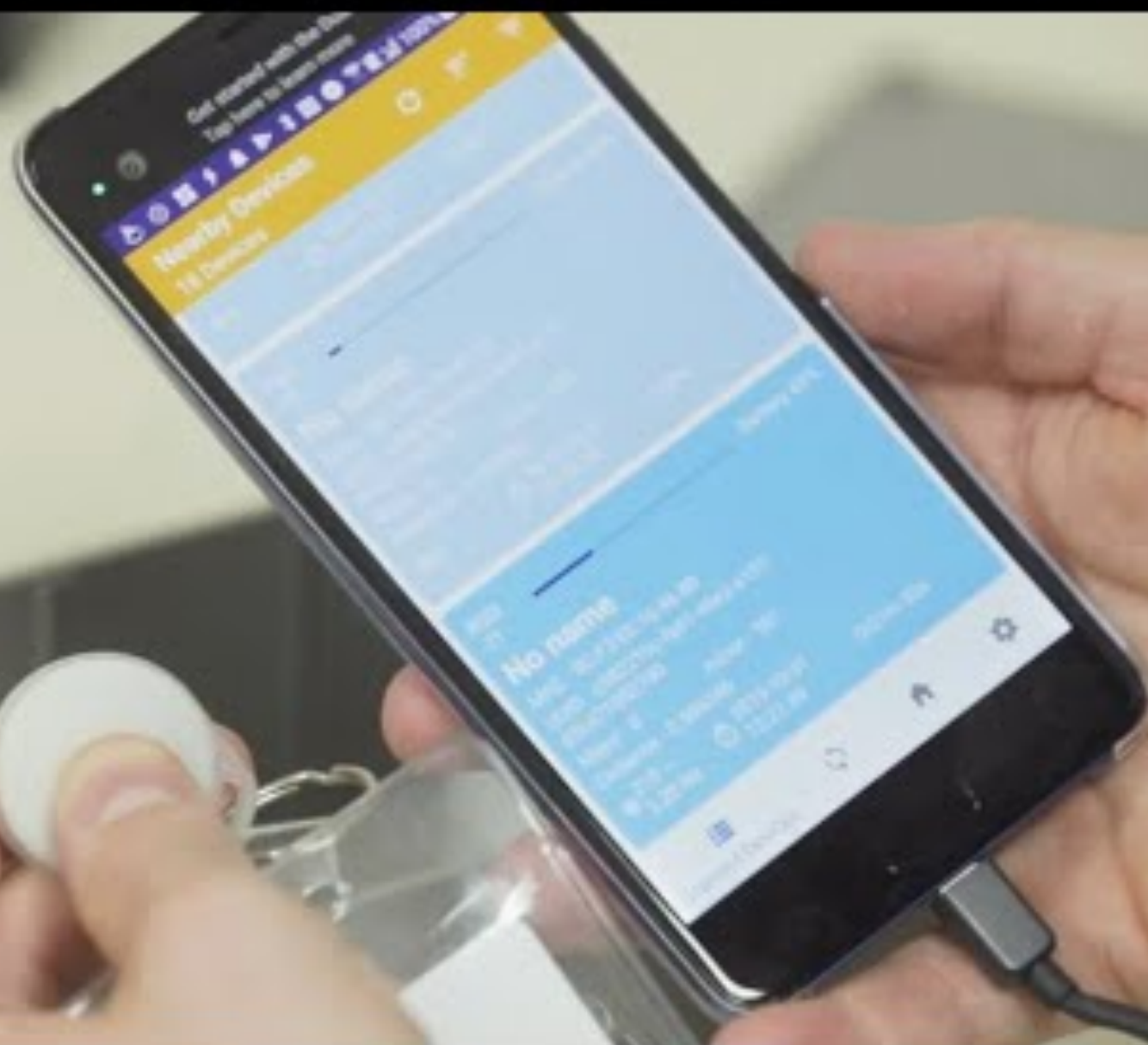


Smart hospitals

Prof. Vassilis Kostakos
School of Computing and Information Systems
University of Melbourne

Presented 16 November 2021
Department of Surgery Research Showcase, University of Melbourne



Human-Computer Interaction

23 Academics

50+ PhD students

\$5 million annual staff costs

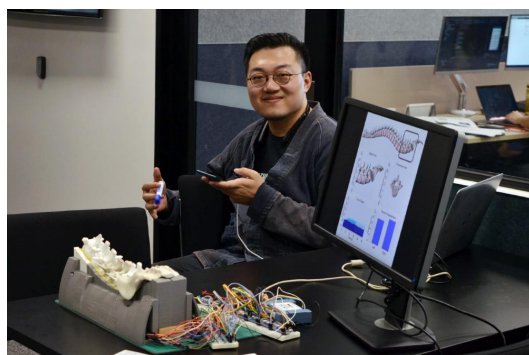
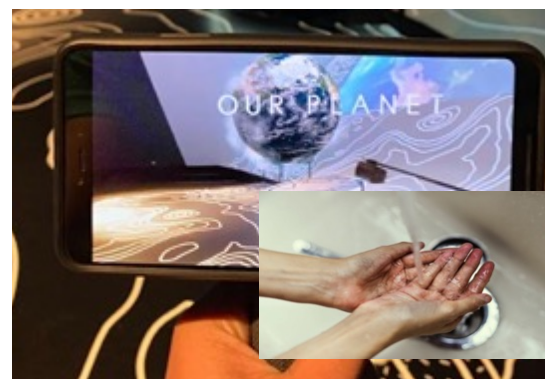
Computing

Psychology

Design

Mission:

Create the next generation
of Interactive Technologies

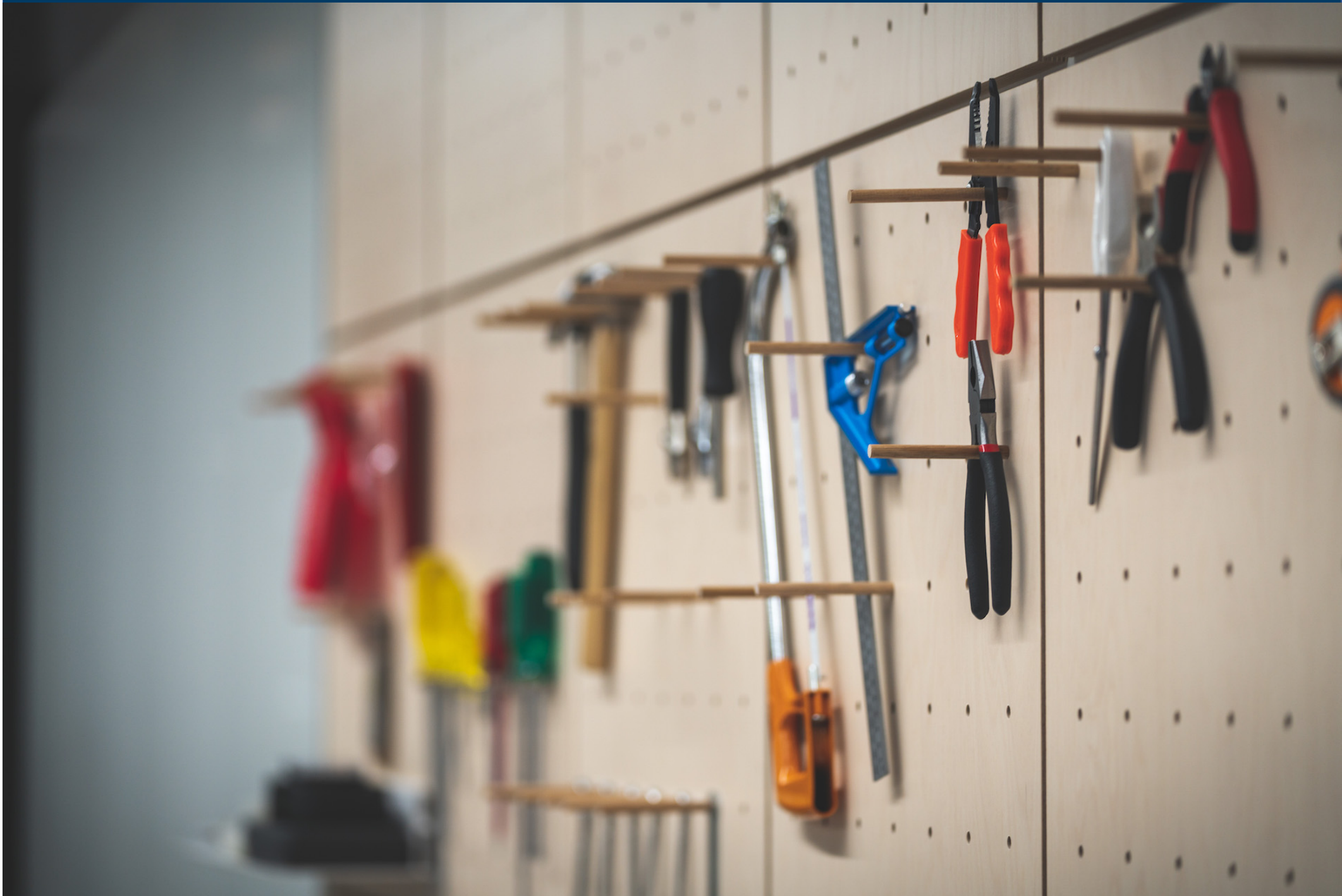


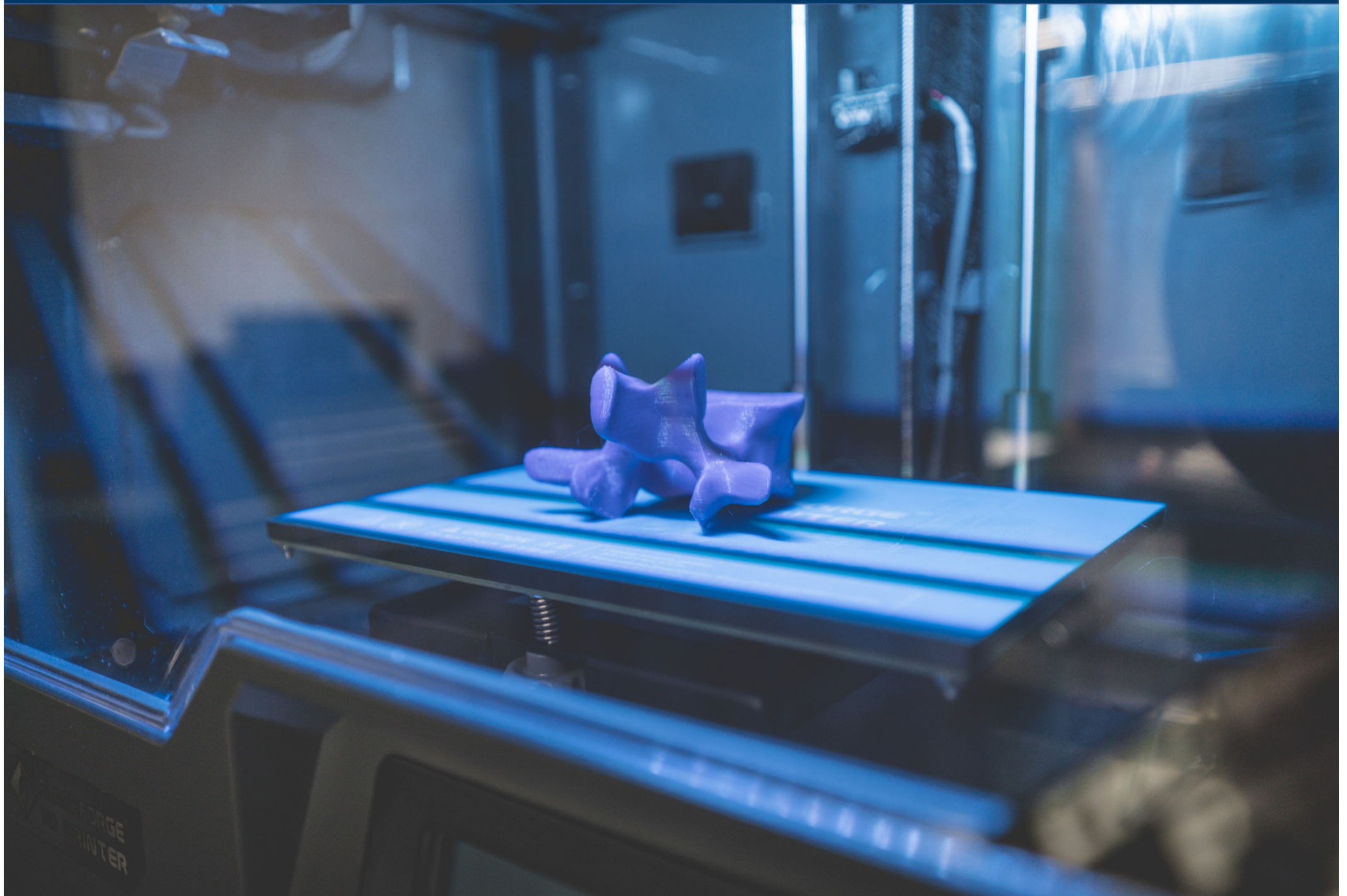


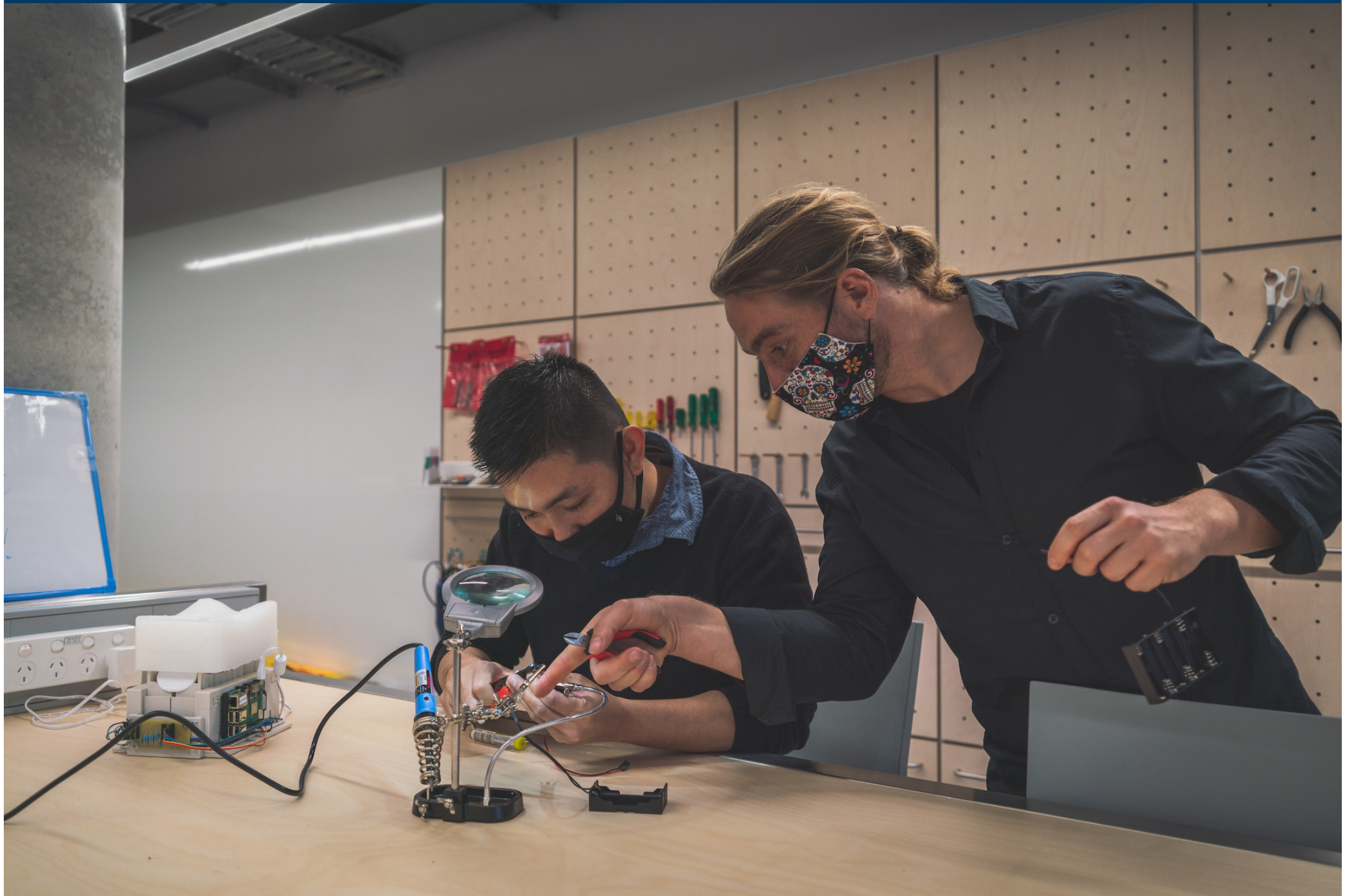














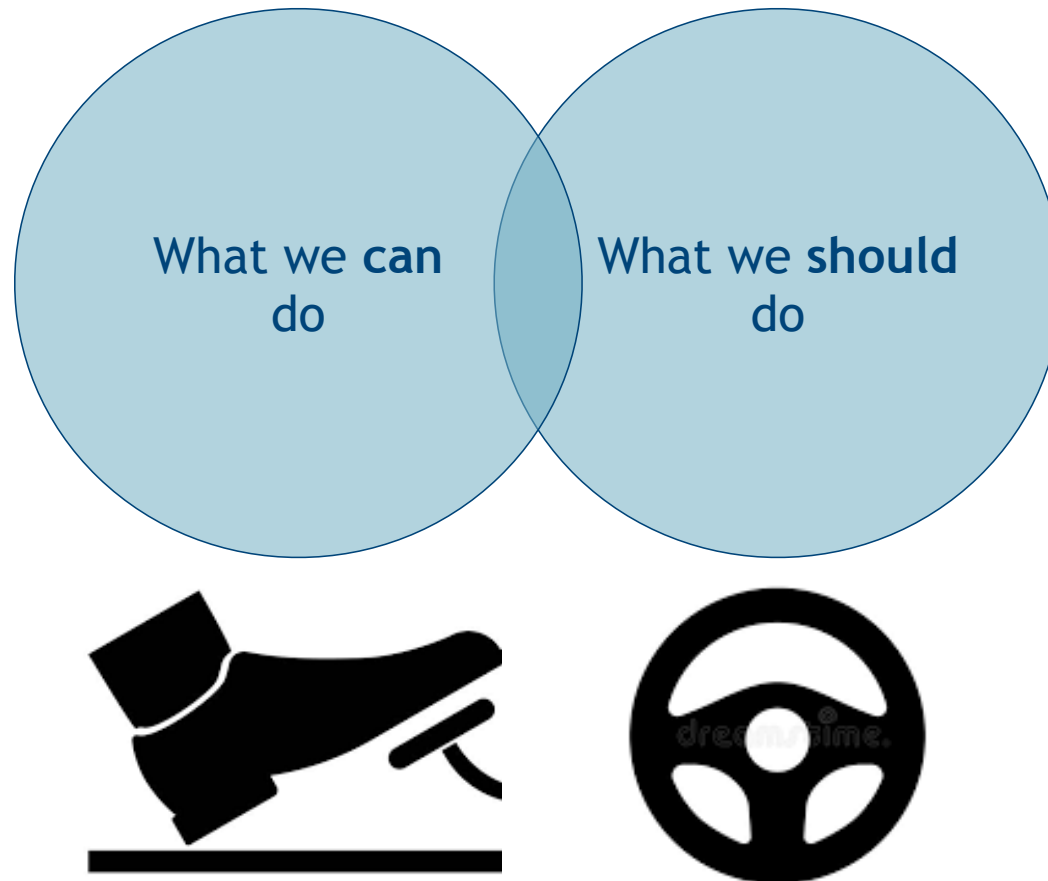


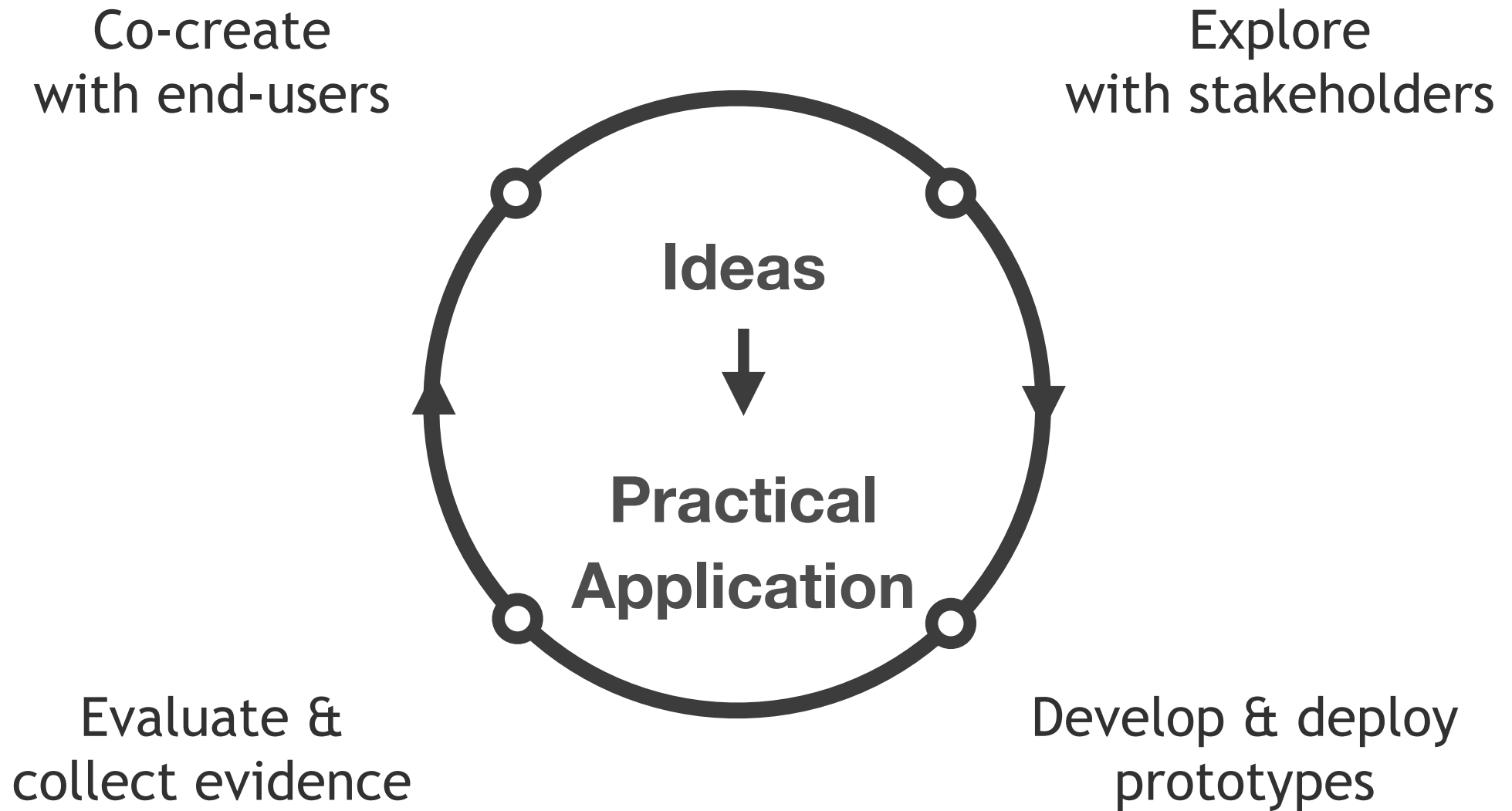






Designing technology



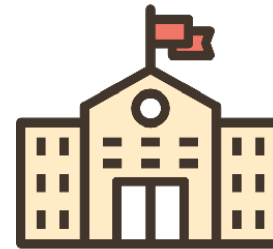
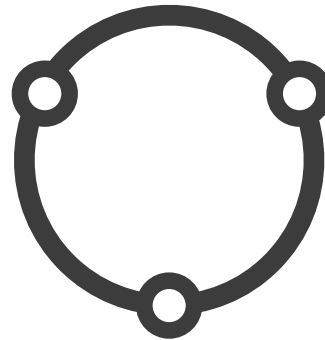


Smart Hospital Living Lab

Northern Health
Royal Children's
Royal Melbourne

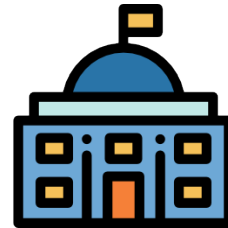


Hospital



University

University of Melbourne



Government

Department of Health and Human Services
Government of Victoria

Expertise on Ubiquitous Computing & User-Centered Design



Interactive
systems:
hardware &
software

Creating new
technologies

Sensors,
actuators,
machine
learning, user
modelling,
analytics

Real-world
deployments

Concluding thoughts on what the future holds

- Everyone is obsessed with AI
 - “Give me your data and I will give you gold”
 - Most likely to work well in only some scenarios
 - Robots will not take over the world
- New tech > AI
 - AI needs data, so how do we get better data?
 - How can hospitals generate better data?
- In the future, there will likely be 2 kinds of jobs:
 - Those who tell a computer what to do
 - Those who are told by a computer what to do
 - In both cases, tech needs to be designed for/with humans

The ~~end~~

beginning!

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