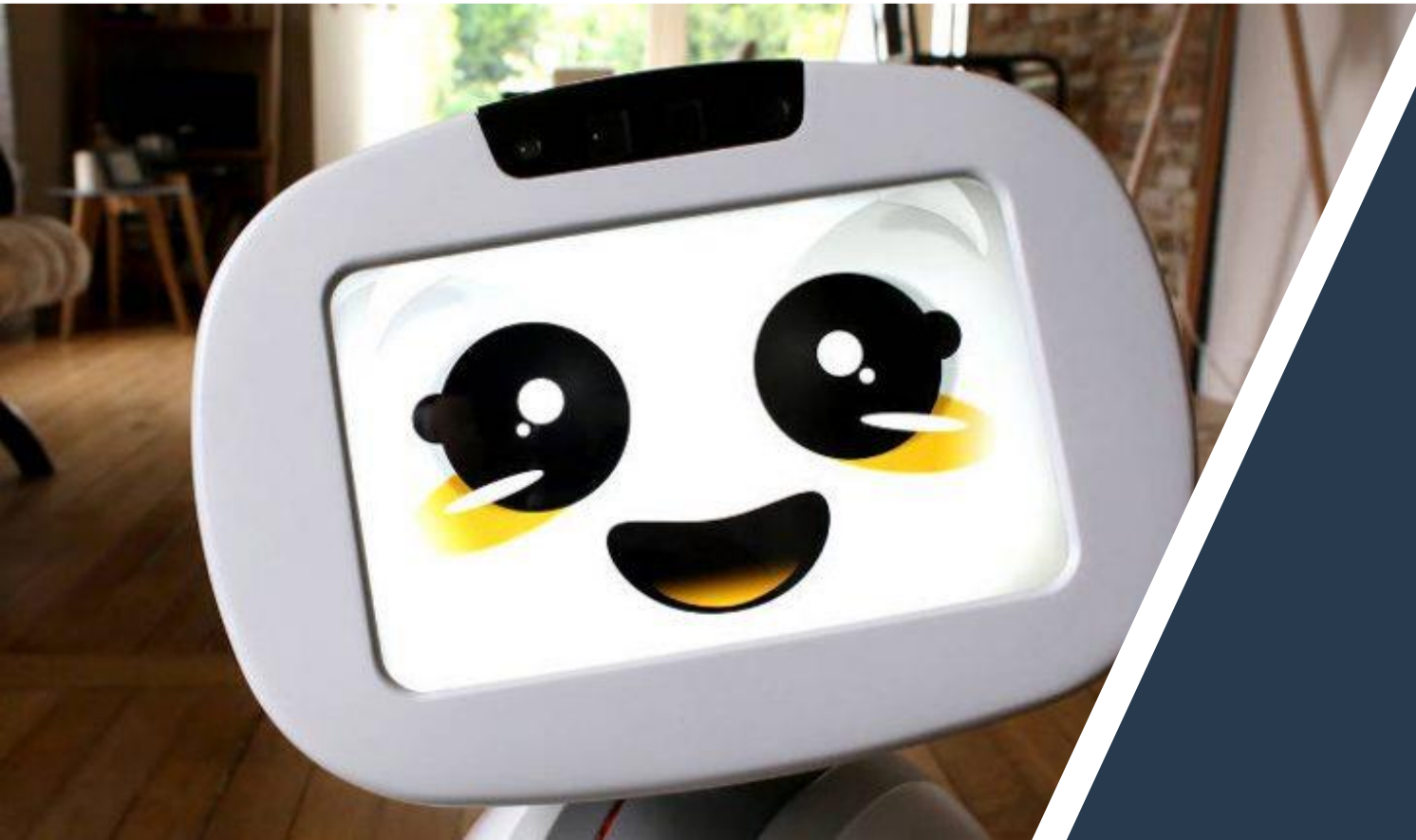
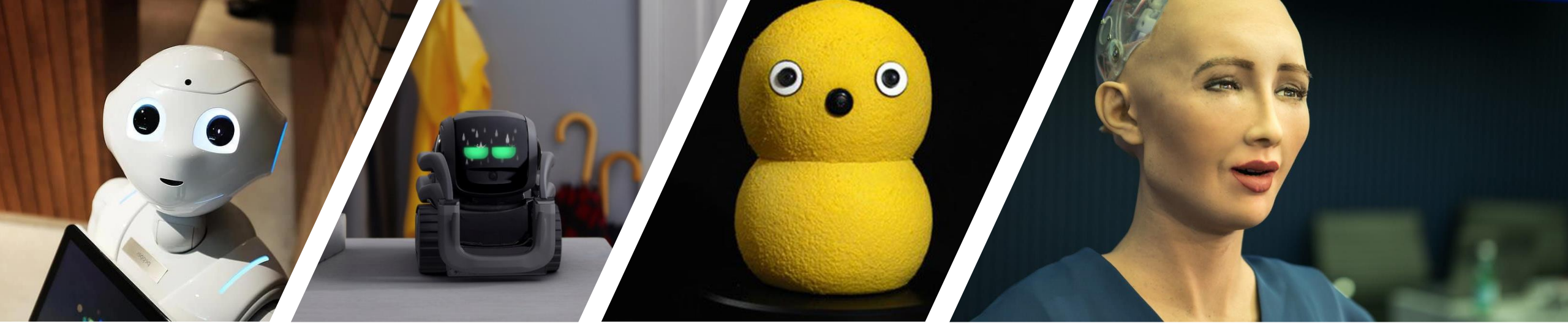


# Child-Robot Interaction

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Social robots



# Social robots in healthcare

- Robots using the power of persuasion to increase outcomes of cardiac rehabilitation therapy.



# Child-Robot Interaction

- Using social robots to support children who have been diagnosed with diabetes.
- Robot acted as a mental support and learning aid for the children.



The last time that you were here...

# Autism Spectrum Disorders

- Robot Enhanced Therapy for children with Autism Spectrum Disorder
- Robot autonomously runs the cognitive behavioural therapy sessions to improve social skills (turn taking, joint attention, ...)
- Results indicate that robot therapy is equivalent to standard therapy



# Social robots in education

- Changing demographics
- Greater diversity in the classroom
- Shrinking school budgets
- More pupils per classroom
- A need for personalisation



# Language learning

L2TOR is a European project that investigates how preschool children can learn a second language from a social robot.

- Learning a second language using social robots
- Results are encouraging, but technical progress is still insufficient to allow fluent spoken interaction



# Concerns

- These robots, through their social nature, can be persuasive and have a strong social influence.
- “A discussion is required about whether protective measures, such as a regulatory framework, should be in place that minimize the risk to children during social child-robot interaction”

