

The Past, Present, & Future of Smart Objects

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Early AI & Smart Objects (Myth & Reality)

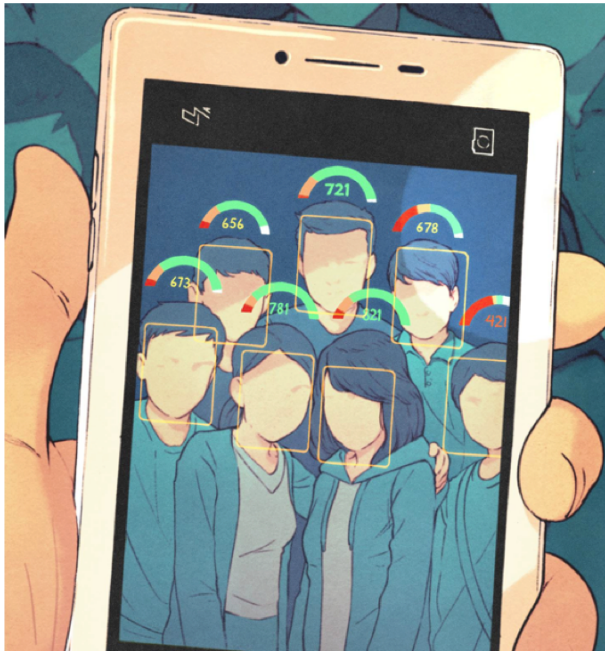
- Ancient & Medieval Automata
- Pygmalion
- The Golem of Prague
- *R.U.R—Rossum's Universal Robots*
- *Metropolis*
- Frankenstein's creation
- Cybernetics

Present AI & Smart Objects

- Siri, Google Assistant, Alexa, Duer, Tmall Genie, Xiadou, GiGa Genie
- Smart objects, appliances, vacuums, lawn mowers, ATMs
- Self-driving or driving-assisted cars
- The Internet of Things (IoT)—5G smart homes, highways, cities
- Self-quantification & healthcare
- Our computers & smartphones
- Recommendation systems
- Warehouse robots
- Chat bots

Future AI & Smart Objects

- Service robots in homes & care facilities
- Retail robots
- Smart gambling devices
- Drones & self-flying planes
- Military robots
- China's social credit systems
- Sex robots and companion others
- DAOs (Distributed Autonomous Organizations)
- Smart object agency = the DotCom bubble all over again?



Sample Voice Command Tasks

TASK	DESCRIPTION
1. Message	Use your VC to send a message via WhatsApp (or SMS) to a contact in your address book: Search for the contact, dictate a message, and send it.
2. Conversation	Imagine the VC is a person and talk with this person. Ask about her or her name; age; hobbies, or other topics.
3. Calendar and University Events	<p>Use the VC to make a calendar entry that reminds you to do the next task in this study. Call the entry “Calendar Task” and set it to XX. April 20XX at XX:XX p.m.</p> <p>Next, obtain information on the following events/topics at your university:</p> <ul style="list-style-type: none">• When is the next student party?• What is the day’s special at the university cafeteria this Thursday?• Which sport teams can you join at the university?
4. Cinema Search	<p>You are interested in the current feature movie “Fast & Furious 8.” Use the VC to:</p> <ul style="list-style-type: none">• Search for a trailer and watch it.• Search for the nearest cinema to your current position.• Check the times that cinema is showing the movie “Fast & Furious 8.”

View of VC after 3 Weeks of Tasks

	Servant	Friend	Master
Males	14	8	2
Females	6	2	7

Thank you!