# Circuit Playground: R is for Robots

Created by Collin Cunningham



https://learn.adafruit.com/circuit-playground-r-is-for-robots
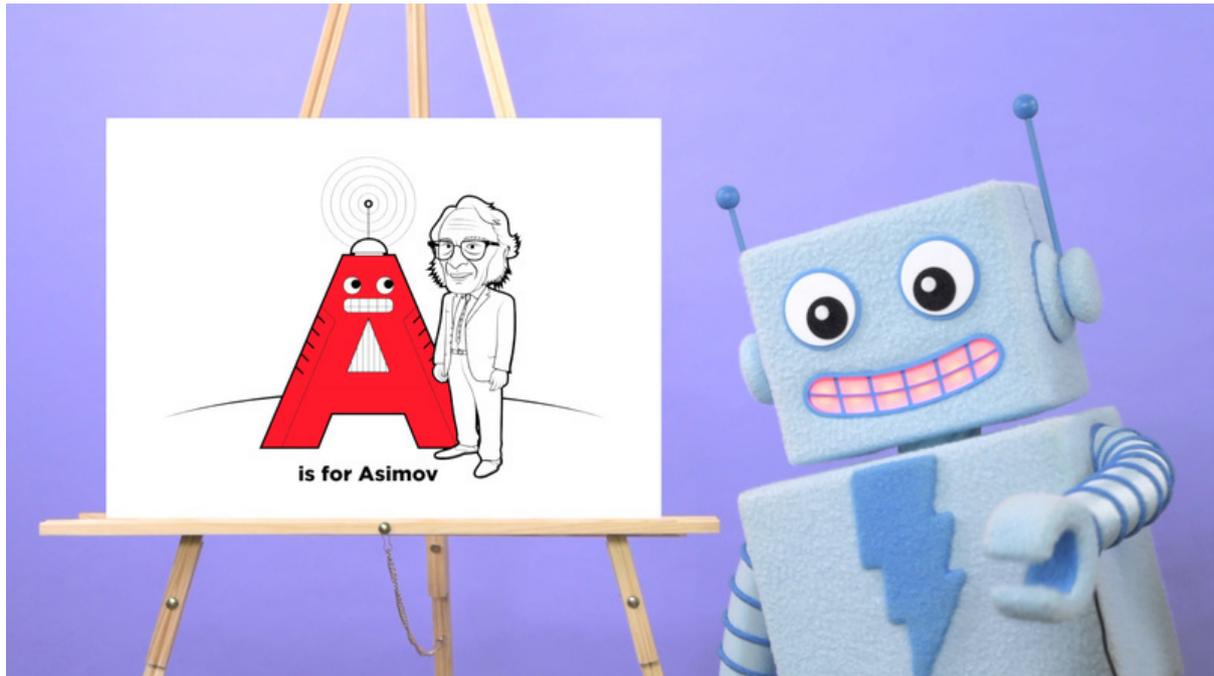
Last updated on 2024-06-03 02:52:22 PM EDT

# Table of Contents

# Video

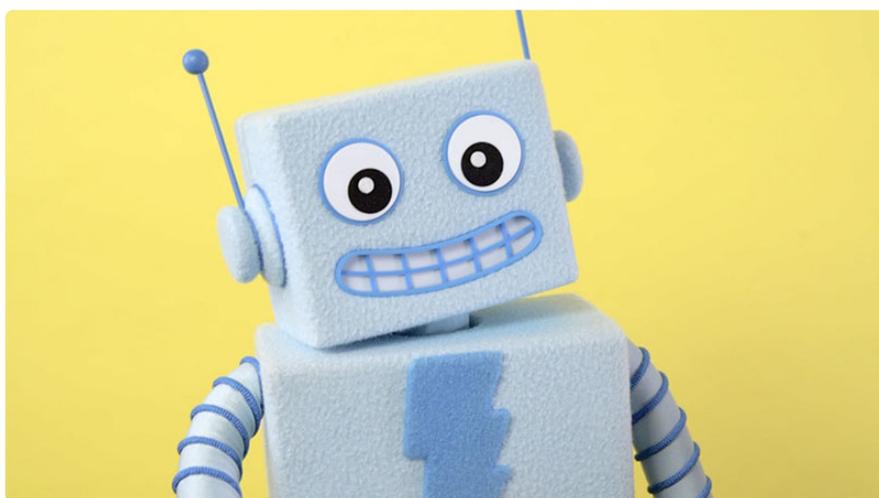Learn the ABCs of Robots & sing along with Adabot, Minerva, & Ruby!

## Transcription
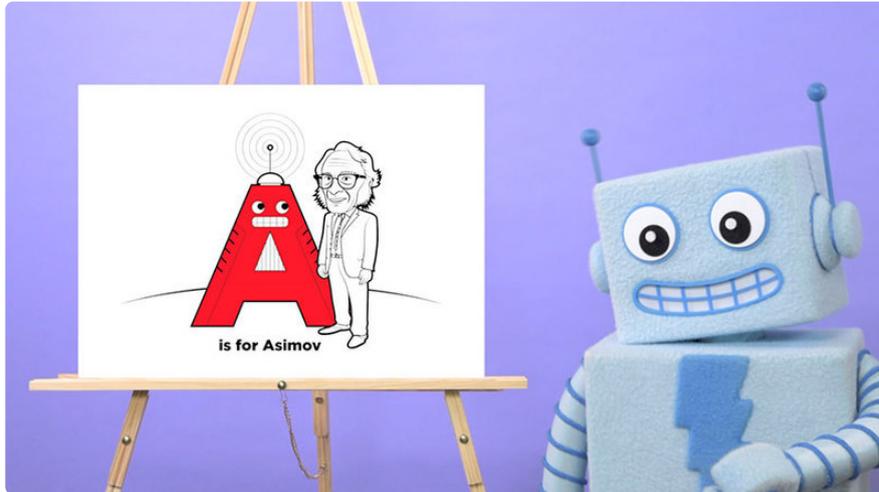


Isaac **Asimov** is writing to **Big Dog**,

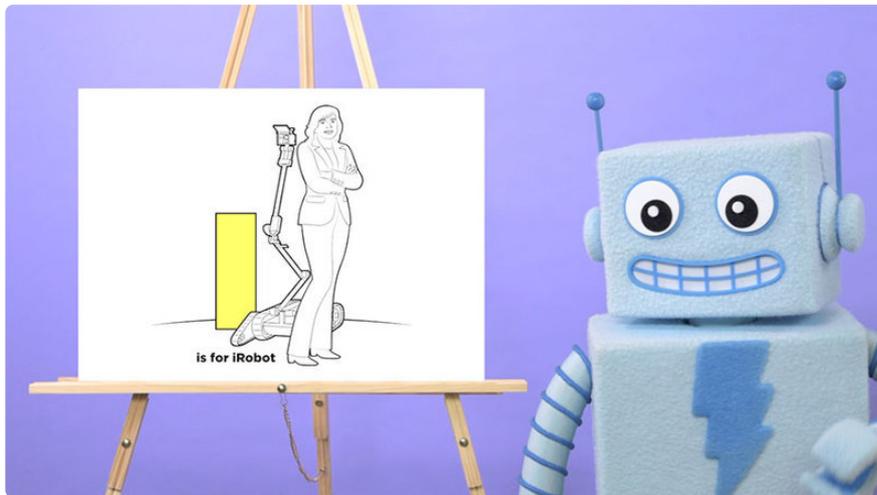**Cyborg** standing there flying a **Drone**

**Elektro**'s headed to the **FIRST** convention,

Gettin there w **GPS**, but **Hexapods** at home
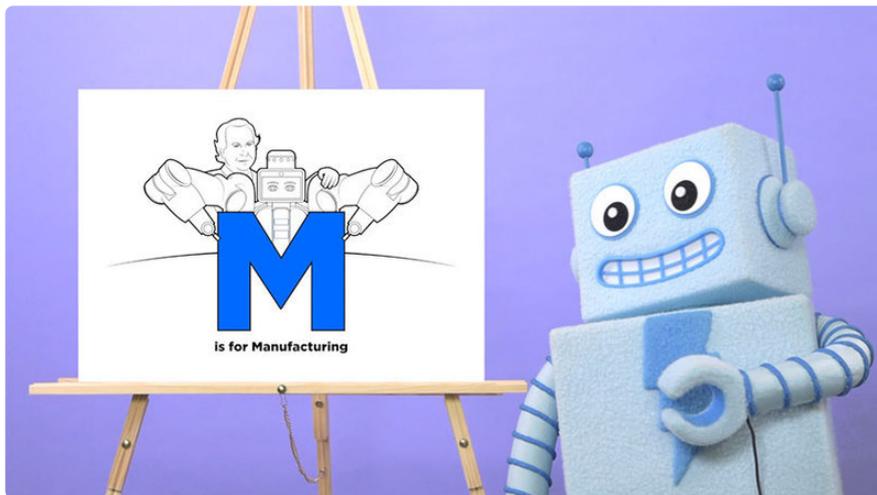


Make robot friend, not robot enemy

Make robot fun, don't hurt no one

iRobot walks, **Jacquard** looms,

**Kinect** can see in 3-Deeee
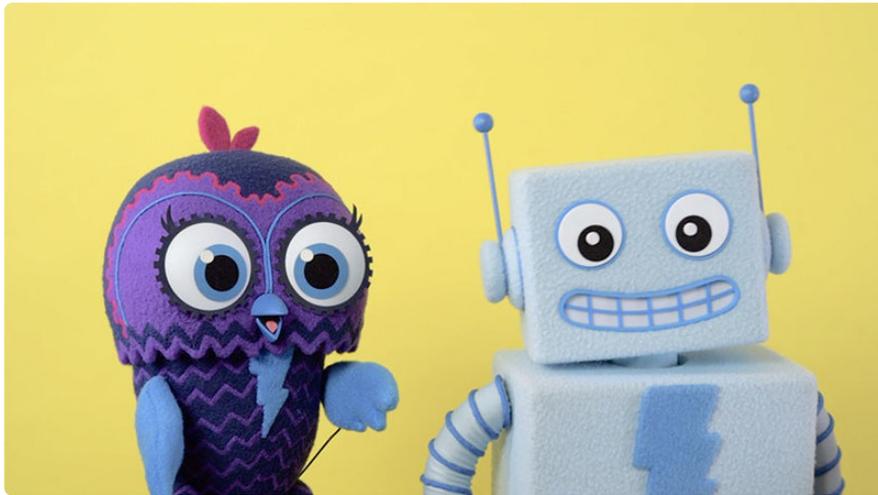
But **Line Following** bots, they only see two



**Manufacturing** is an important use

And **Nanotech** will be someday soon

And let's not forget that **Obstac–le A–voooiiidance**

**Pros–thet–ic Limbs**, and all the **QRIO** toyyys – dance

Make robot friend, not robot enemy

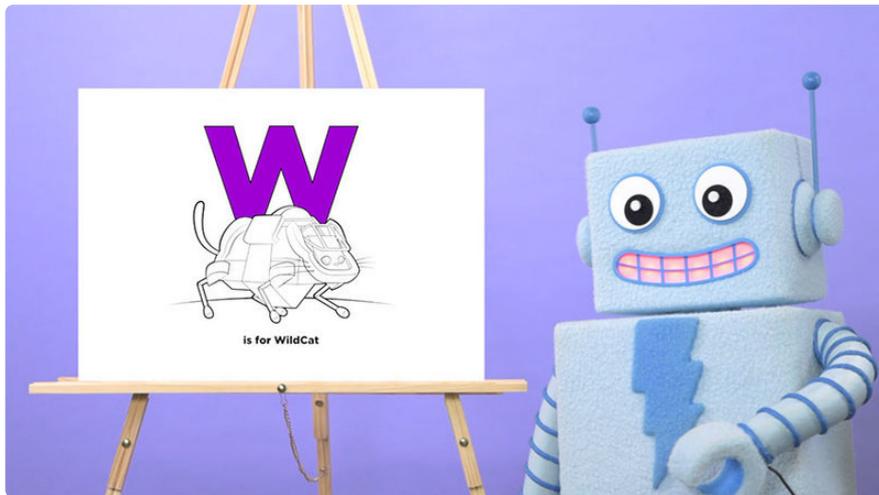Make robot pal, anyway you know how



**Roombas** and **self-driving cars** are smart

But **mechanical turk**s have a human heart

**Underwater Open Source** robots dive

Robotic **Vision** let's 'em see the ocean life

**Wildcats** hoppin', **X-RHex** relaxes,

**Y-Series** printer movin' up-n-down the **Zeee-axiiiisss**

*ahem*



Make robot friend, not robot enemy

Make robot fun, don't hurt no one

Make robot friend, not robot enemy

Make robot pal, anyway you know how



# Learn More

Learn more about some of the famous robots & humans mentioned in R is for Robots.

# Isaac Asimov



Isaac Asimov was an American writer and professor of biochemistry at Boston University. He was known for his works of science fiction and popular science. Asimov was a prolific writer who wrote or edited more than 500 books and an estimated 90,000 letters and postcards. His books have been published in 9 of the 10 major categories of the Dewey Decimal Classification.

Read more (https://adafru.it/Fz3)

# Elektro



Elektro is the nickname of a robot built by the Westinghouse Electric Corporation in its Mansfield, Ohio facility between 1937 and 1938. Seven feet tall (2.1 m), weighing 265 pounds (120.2 kg), humanoid in appearance, he could walk by voice command, speak about 700 words (using a 78-rpm record player), smoke cigarettes, blow up balloons, and move his head and arms.

Read more (https://adafru.it/Fz4)
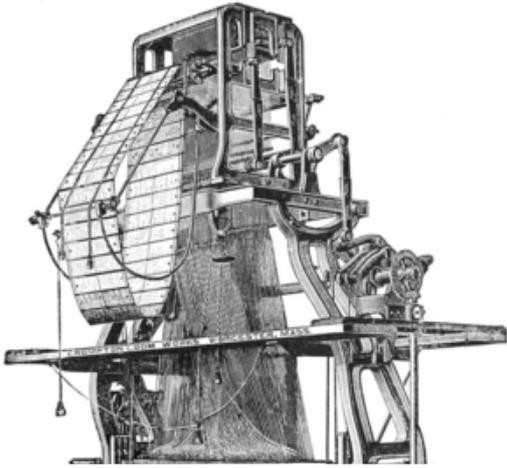
# Jacquard Loom



The Jacquard machine is a device fitted to a power loom that simplifies the process of manufacturing textiles with such complex patterns as brocade, damask and matelassé. It was invented by Joseph Marie Jacquard in 1804. The loom was controlled by a "chain of cards"; a number of punched cards laced together into a continuous sequence.

Read more (https://adafru.it/Fz5)

# QRIO
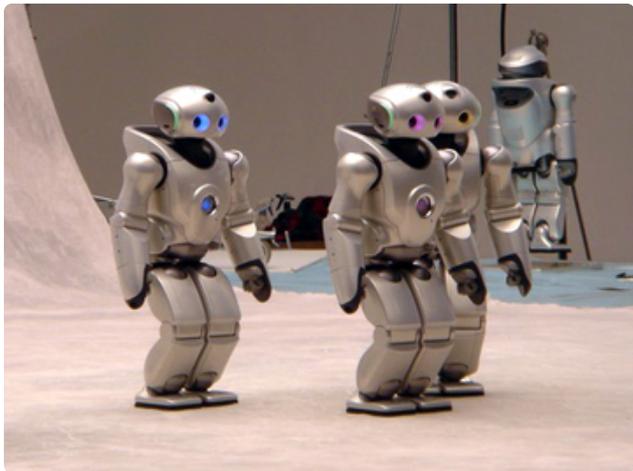


QRIO ("Quest for cuRIOsity", originally named Sony Dream Robot or SDR) was a bipedal humanoid entertainment robot developed and marketed (but never sold) by Sony to follow up on the success of its AIBO entertainment robot. QRIO stood approximately 0.6 m (2 feet) tall and weighed 7.3 kg (16 pounds). QRIO's slogan was "Makes life fun, makes you happy!"

Read more (https://adafru.it/Fz6)

# Mechanical Turk



The Turk, also known as the Mechanical Turk or Automaton Chess Player, was a fake chess-playing machine constructed in the late 18th century. From 1770 until its destruction by fire in 1854 it was exhibited by various owners as an automaton, though it was eventually revealed to be an elaborate hoax.

Read more on wikipedia (https://adafru.it/Fz7)