

# Write Your First AI Program In 10 Minutes

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# What You Need To Get Started

- You must be running Google Chrome.
  - Visit <https://chrome.google.com> to download it if necessary.
- In Chrome, visit this web site: <https://calypso-robotics.com>
- You can make a free account if you wish.  
It's not required unless you want to save your code.



# Calypso for Cozmo

- A robot intelligence framework for the Cozmo robot.
- Puts real artificial intelligence capabilities into the hands of 8 year olds.
- Runs on Windows or MacOS.



# Cloud Calypso

- A version of Calypso that runs in the cloud.
- Works with any Chrome browser.
- Free for personal use. <https://calypso-robotics.com>
- Uses a simulated robot in a simulated world.
- Any program written for Cloud Calypso can be downloaded and run on a real Cozmo robot.

# Your First AI Program: Speech Recognition

WHEN hear “tell me a joke” DO say “knock knock”

WHEN hear “who’s there” DO say “r2”

WHEN hear “r2 who” DO say “r2 d2. That’s a robot joke!”

# Pattern Matching

WHEN hear “(hey|hi|hello|) (Cozmo|) (would you|can you|) (please|) tell me a joke”  
DO say “knock knock”

# Get out of Novice mode

Go to Home -> Settings and change from Novice mode to Normal mode

# Sequencing (1 of 2)

PAGE 1:

WHEN hear “tell me a joke” DO switch to page 2

PAGE 2:

WHEN DO say “knock knock” once

WHEN hear “who’s there” DO switch to page 3

WHEN timer 10 seconds DO switch to page 2



# Sequencing (2 of 2)

PAGE 3:

WHEN DO say “r2” once

WHEN hear “r2 who” DO switch to page 4

WHEN timer 10 seconds DO switch to page 3

PAGE 4:

WHEN DO say “r2 d2. That’s a robot joke” and then...

WHEN DO game win

# State Machine Editor

Type control-uparrow to enter the state machine editor.

You can change the layout of the state machine.

# Another AI Algorithm: Path Planning

Add the following rule to PAGE 1:

WHEN see cube1 DO move toward it

# Map Layout Editor

Type control-downarrow to enter the map layout editor.

Make a room with a doorway.

# Running on a Real Robot



# Free Curriculum

Go to <https://Calypso.software> and click on the Curriculum link in the nav bar.

Direct link:

<https://www.cs.cmu.edu/~dst/Calypso/Curriculum>

# Funniest Robot Challenge: Win a Cozmo Robot!

<https://www.readyai.org/funniest-robot-challenge/>

Entries due by July 1.



# Questions?

