

人工智能的棋局 2016 1997 1962 Co HelloCode

弱人工智能突破强人工智能的关键五步

一、脑科学的突破

纳米机器人扫描大脑

三、算法的突破

Google:Tensorflow

微软:DMTK

FaceBook:Torchnet

IBM:SystemML

硬件的突破

突破冯诺依曼架构 , 做类人脑芯片 CPU -> GPU -> TPU

2014年,IBM人脑芯片TrueNorth

突破五步

器官模拟的突破

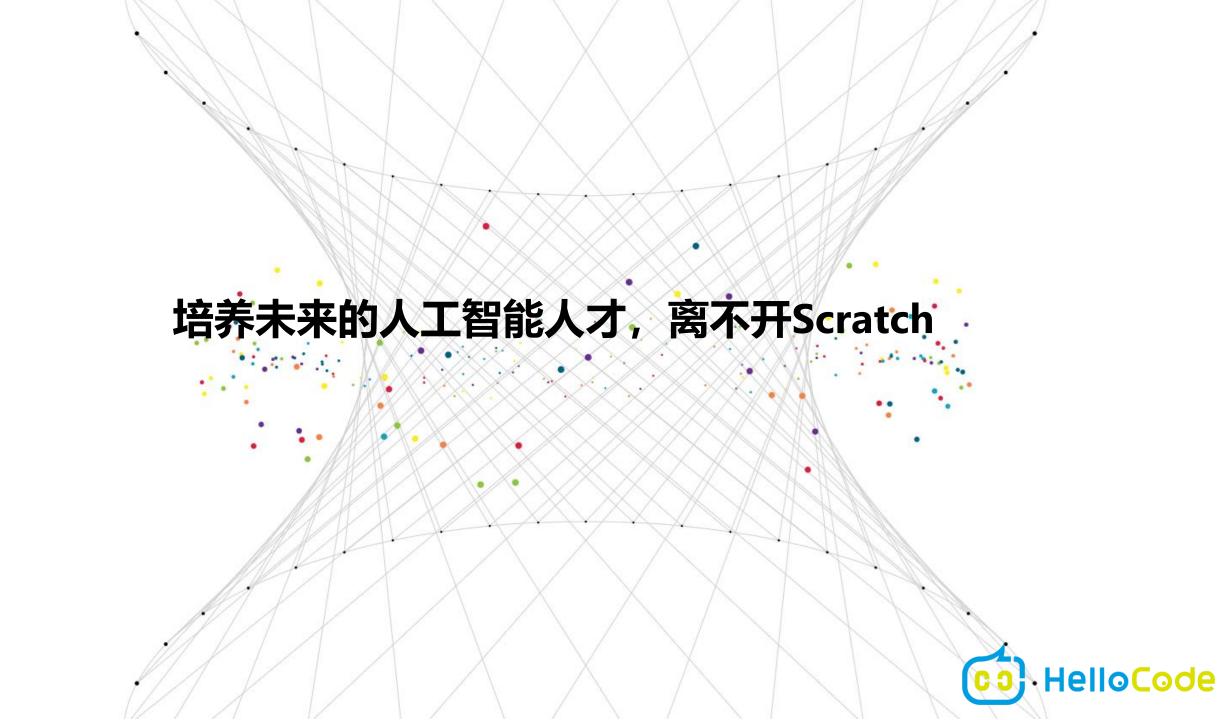
听:语音识别/说:语音合成

看:图像识别

五、情商的突破

模拟右脑、梭形细胞







Scratch是什么

PART ONE

Scratch的使用

PART TWO

Scratch源码解析

PART THREE



PART ONE





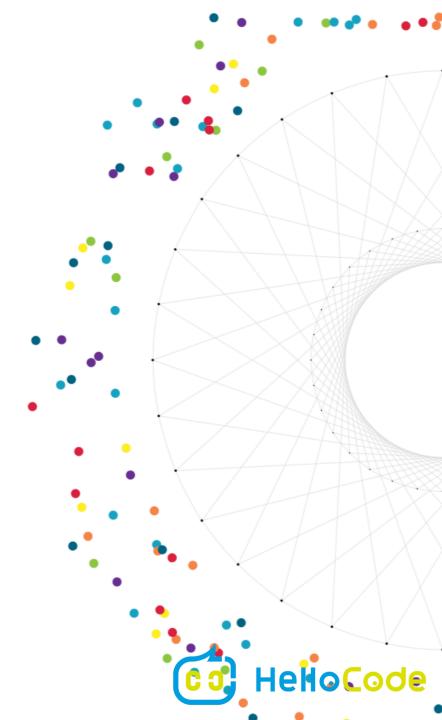
● 从编程语言排行榜说起

Jun 2018	Jun 2017	Change	Programming Language	Ratings	Change	
1	1		Java	15.368%	+0.88%	
2	2		С	14.936%	+8.09%	
3	3		C++	8.337%	+2.61%	
4	4		Python	5.761%	+1.43%	
5	5		C#	4.314%	+0.78%	
6	6		Visual Basic .NET	3.762%	+0.65%	
7	8	^	PHP	2.881%	+0.11%	
8	7	•	JavaScript	2.495%	-0.53%	
9	-	*	SQL	2.339%	+2.34%	
10	14	*	R	1.452%	-0.70%	



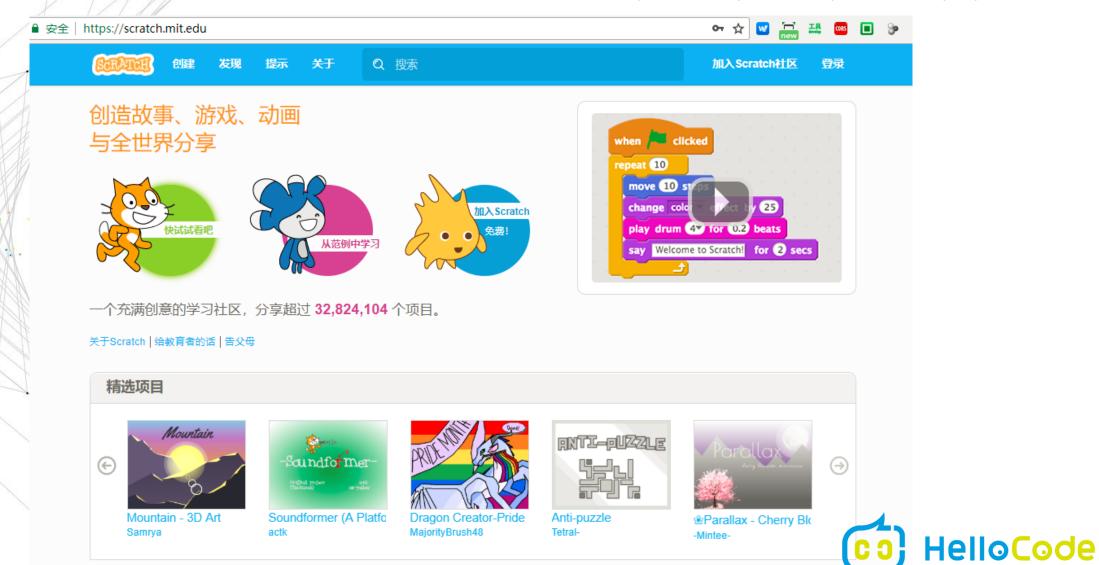
● Scratch是一种编程语言

23	Scala
24	Apex
25	Transact-SQL
26	Ada
27	Lisp
28	COBOL
29	Scratch
30	D
31	LabVIEW
32	Bash
33	Clojure
34	Logo
35	Awk



Scratch简介

Scratch是一款由麻省理工学院(MIT)设计开发的少儿编程工具 使用者可以不认识英文单词,也可以不会使用键盘

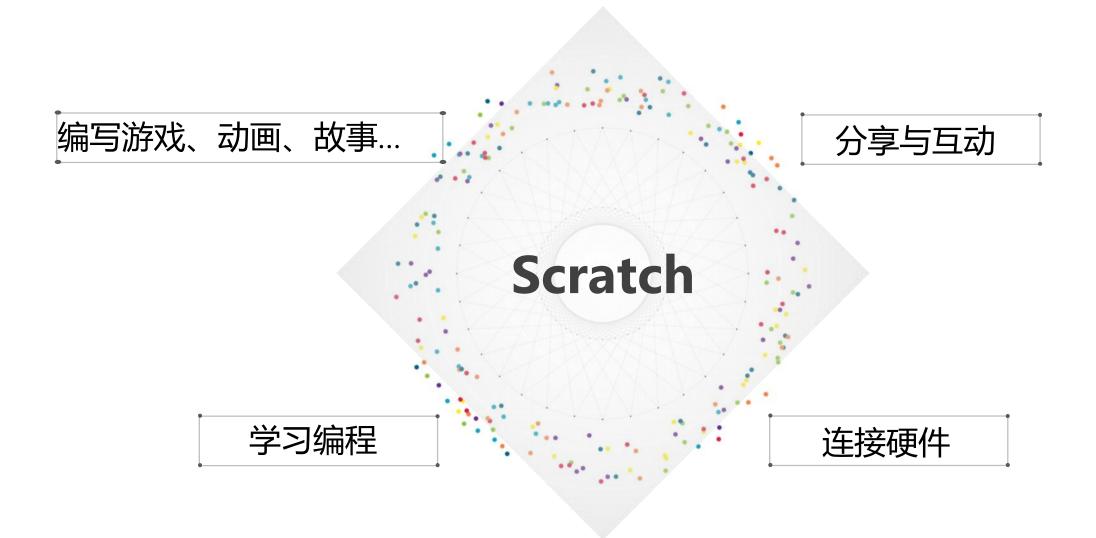


PART TWO





● Scratch能干什么



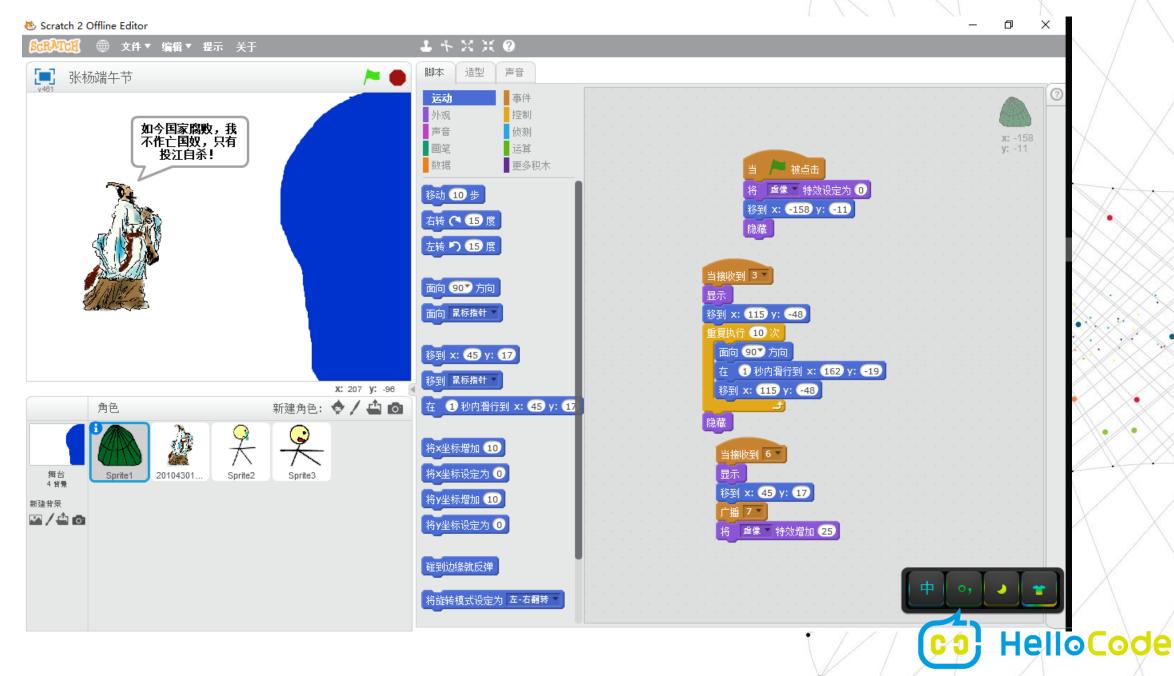


● 编写游戏、动画、故事...

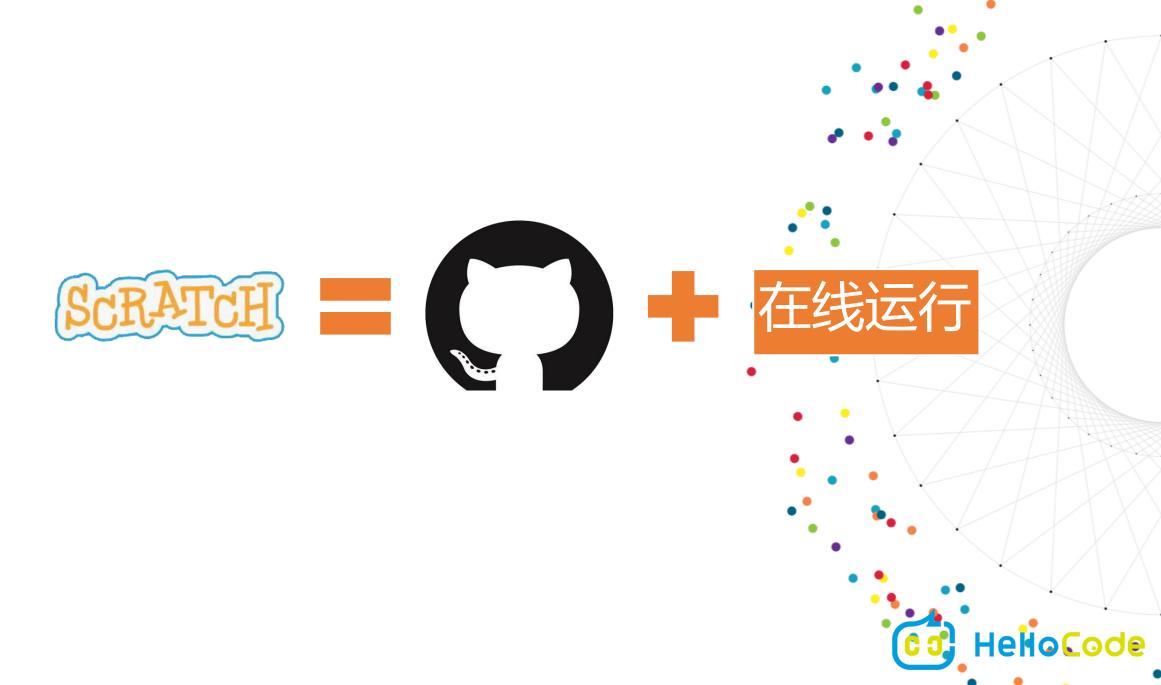


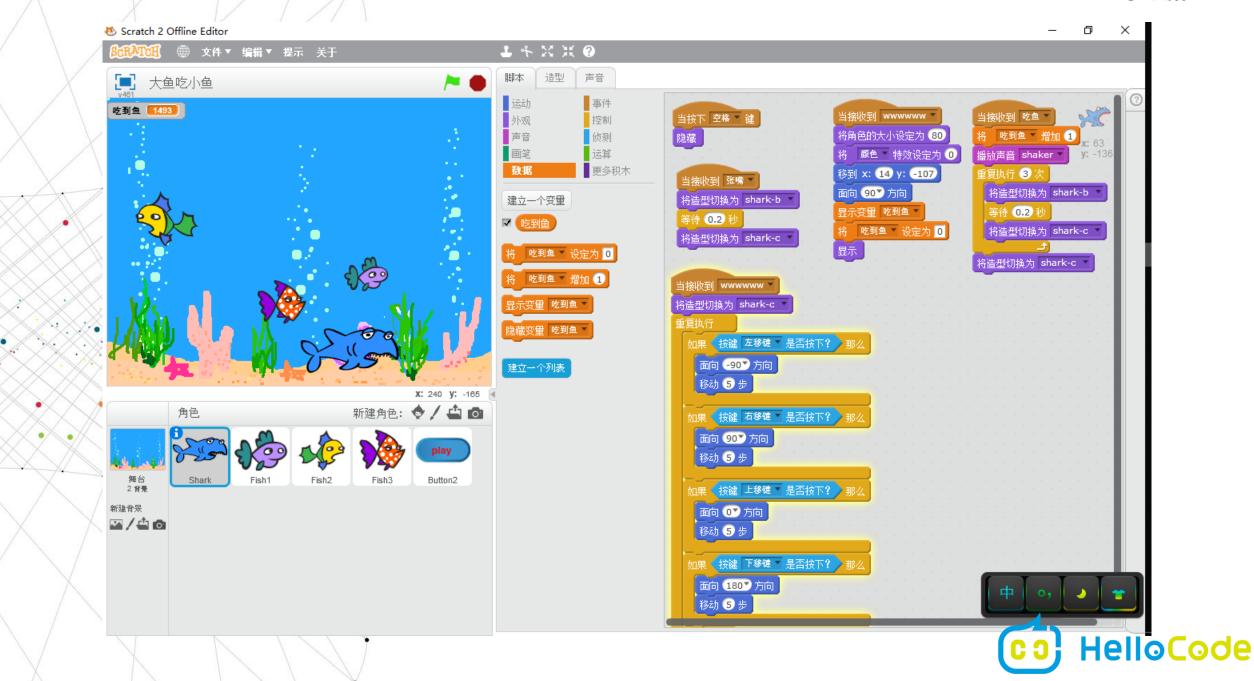


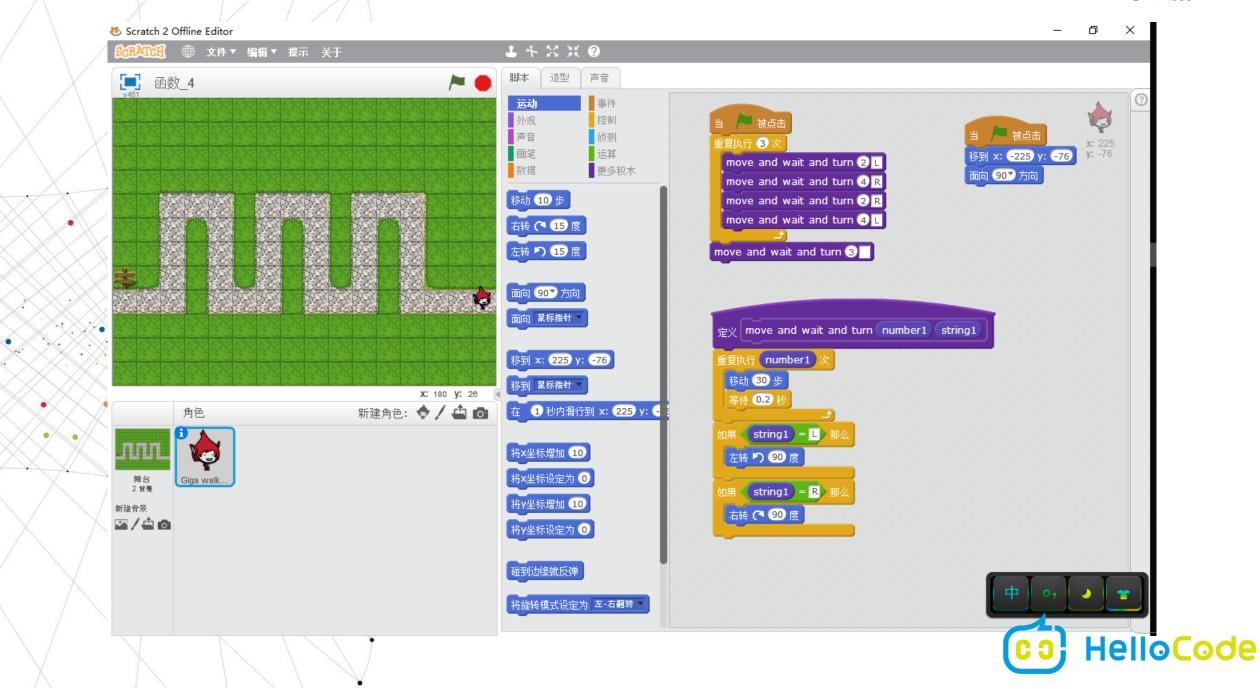
● 编写游戏、动画、故事...

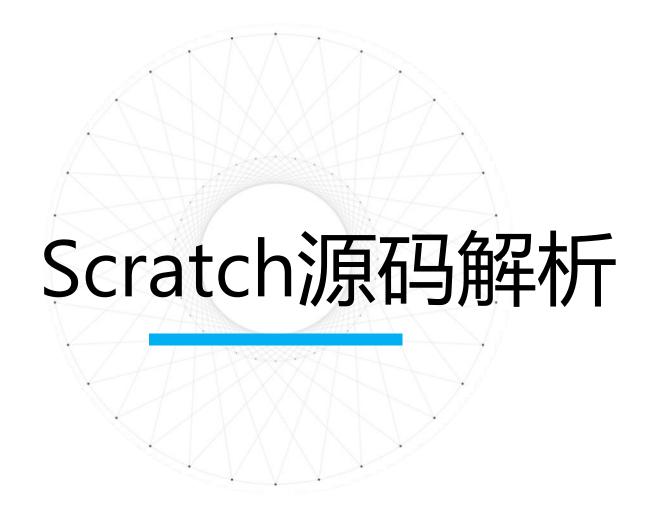


● 分享与互动











● Scratch版本变化

Scratch1.x

•基于Squeak开发

•2006年

Scratch2.x

- •2013年
- •基于Flash\ActionScript开发

Scratch3.0

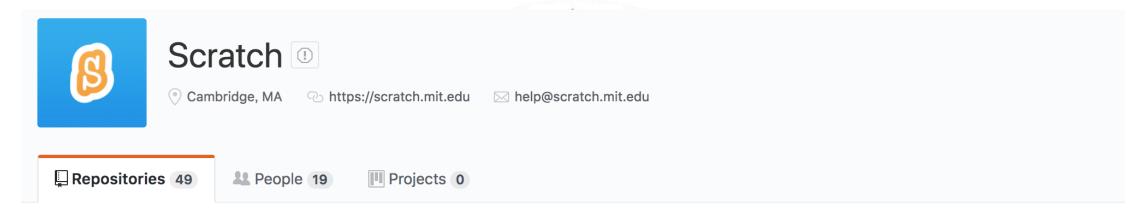
- 2018年8月份即将发布
- •基于HTML5技术
- 预览版地址: https://preview.scratch.mit.edu/



● Scratch3.0开源项目

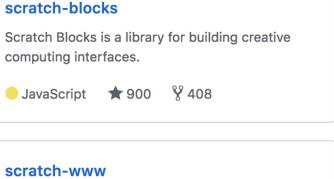
https://github.com/LLK

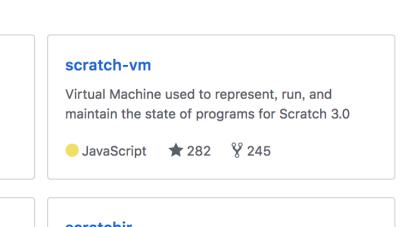
多个项目,可合可分

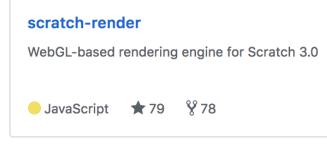


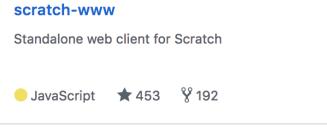
Pinned repositories



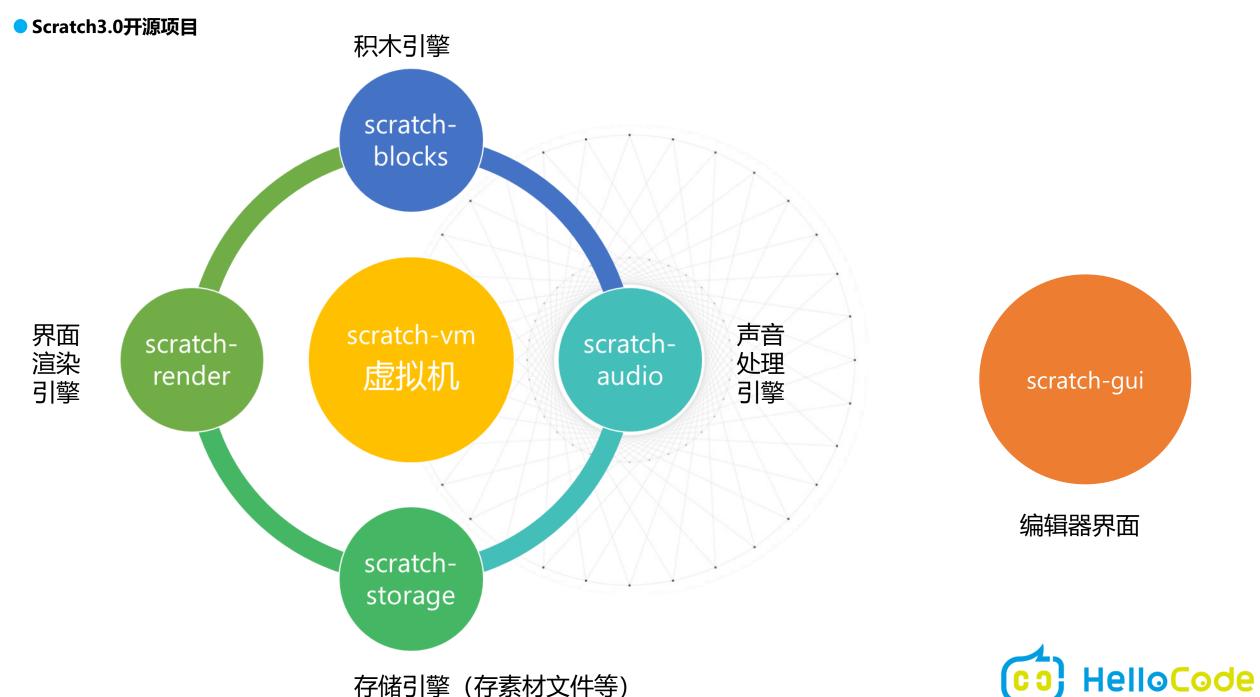




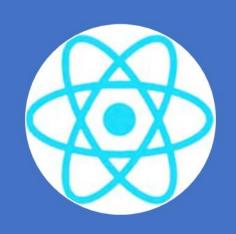








存储引擎 (存素材文件等)



ReactJs

GUI的界面使用, 使得网页的每个元 素都模块化了。



Babel ES6转ES5的工具, 所有项目都有用到。



Webpack 打包工具,所有项 目都有用到。



● Scratch-gui的运行

```
git clone git@github.com:LLK/scratch-gui.git

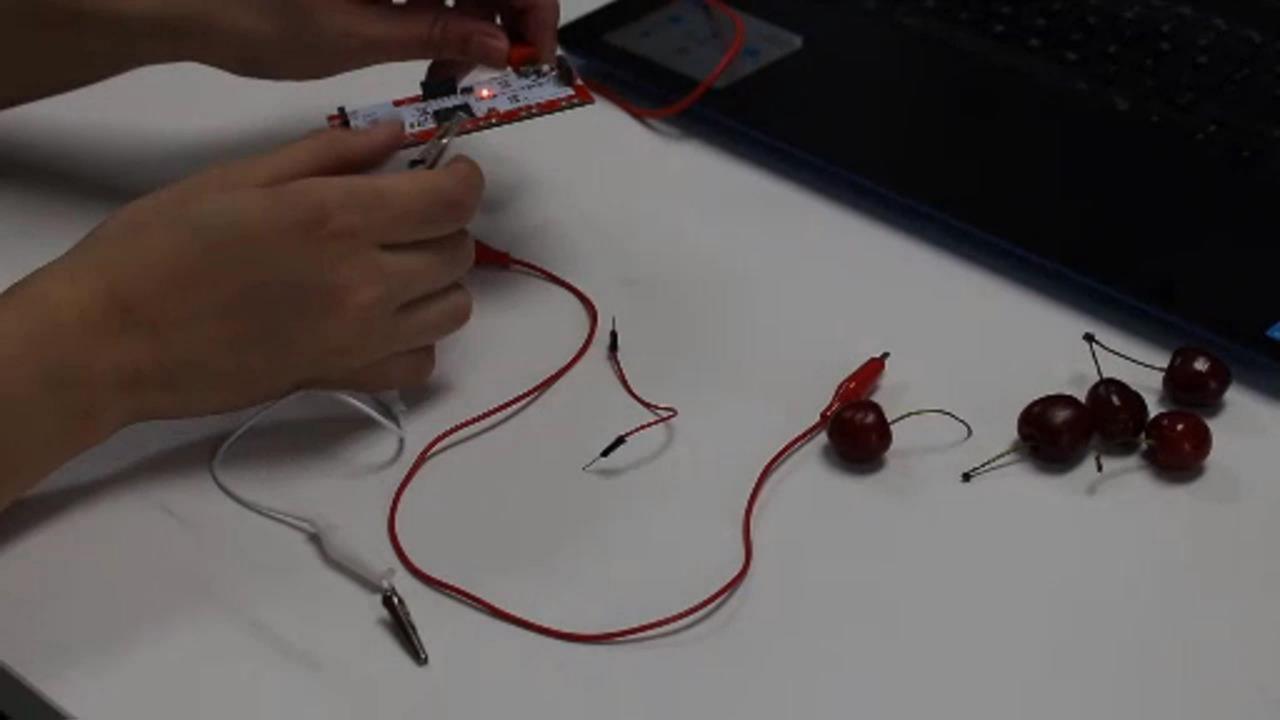
cd scratch-gui

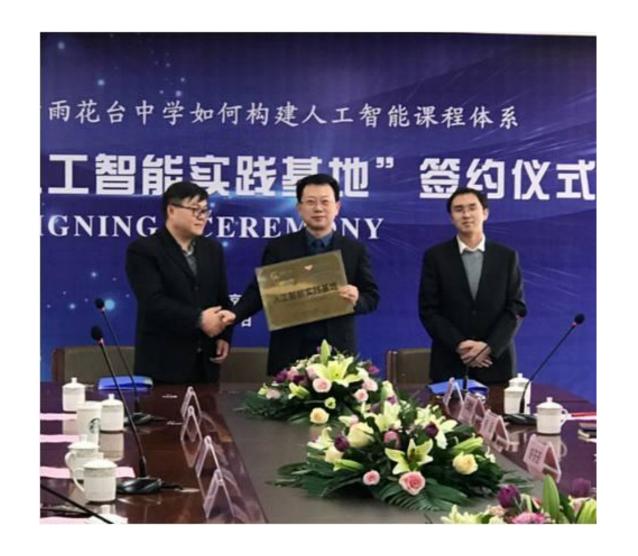
npm install

npm install babel-plugin-react-intl # 这一步是一个坑

npm start
```









• 6月8日 HelloCode联合新华书店总店发布系列少儿人工智能产品







• 开源联萌











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