

Wechaty: 6 行代码构建 基于Whatsapp和微信的对话式人机交互界面应用

社区说
Community Talks



Huan (李卓桓)

Google Developer Export (ML)
Creator of Wechaty



WeChat key statistics

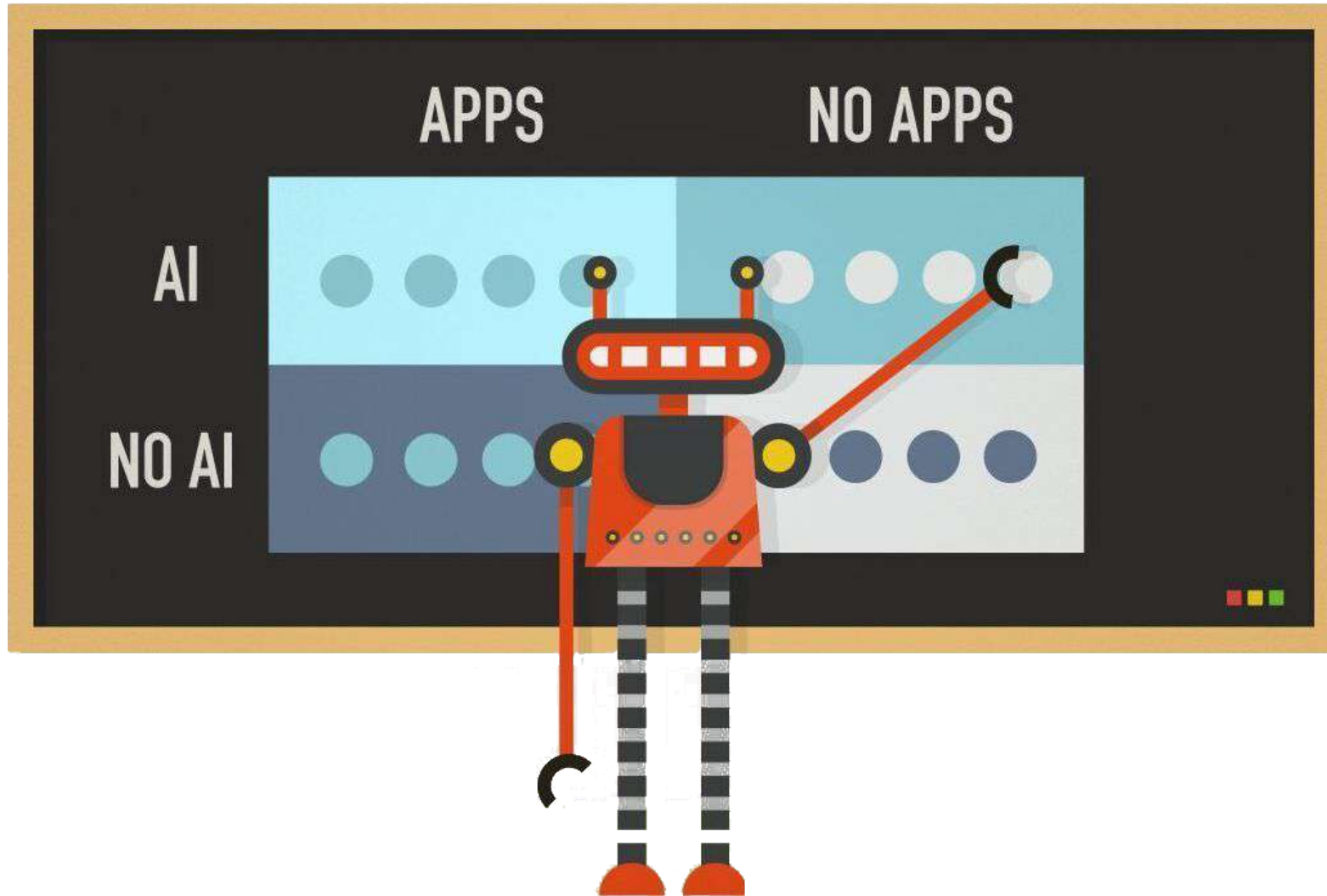
1. Tencent's social network revenue was 108.2 billion RMB in 2020
2. In Q1 2021, WeChat had 1.24 billion active users
3. 45 billion messages were sent daily in January 2019 on WeChat

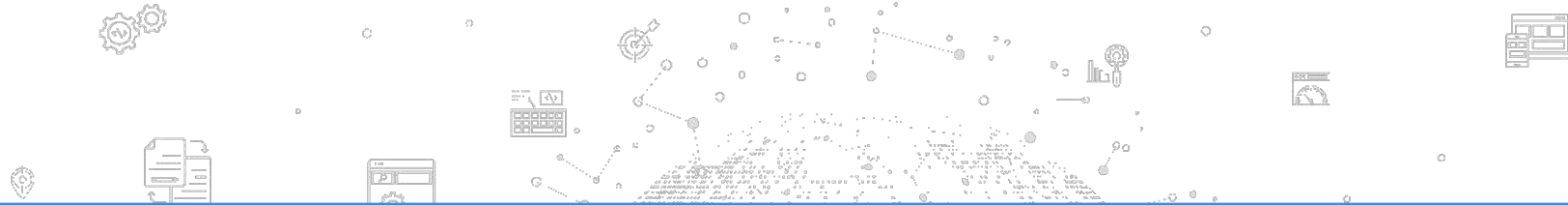


Huan (李卓桓), ML GDE Google Developer Expert

- Book Co-author of “Chatbot 0 to 1” & “Concise TensorFlow 2”
How to build a Conversational User Interface
- Author of Wechaty
GitHub 10k+ stars open-source chatbot SDK
- Expert in Conversational AI & Machine Learning
Experienced with Chatbot domain algorithms and business solutions
- PreAngel Partner, focus on seed stage AI/ML startups
Startups includes Juzi.BOT, Authing, SIGAI, MistGPU, LiYun, and ChatOpera etc.
- Graduated from Tsinghua University, CEIBS(EMBA)
Founded JiWai.com, zixia BBS
Ex Chief Scientist of YouKu.com (NYSE:YOKU), SYSOP of Tsinghua BBS







2020 GPT-3: “Feeling unproductive? Maybe you should stop overthinking”

Hacker News

Y

new | threads | past | comments | ask |
show | jobs | submit

wporr (39)
| logout

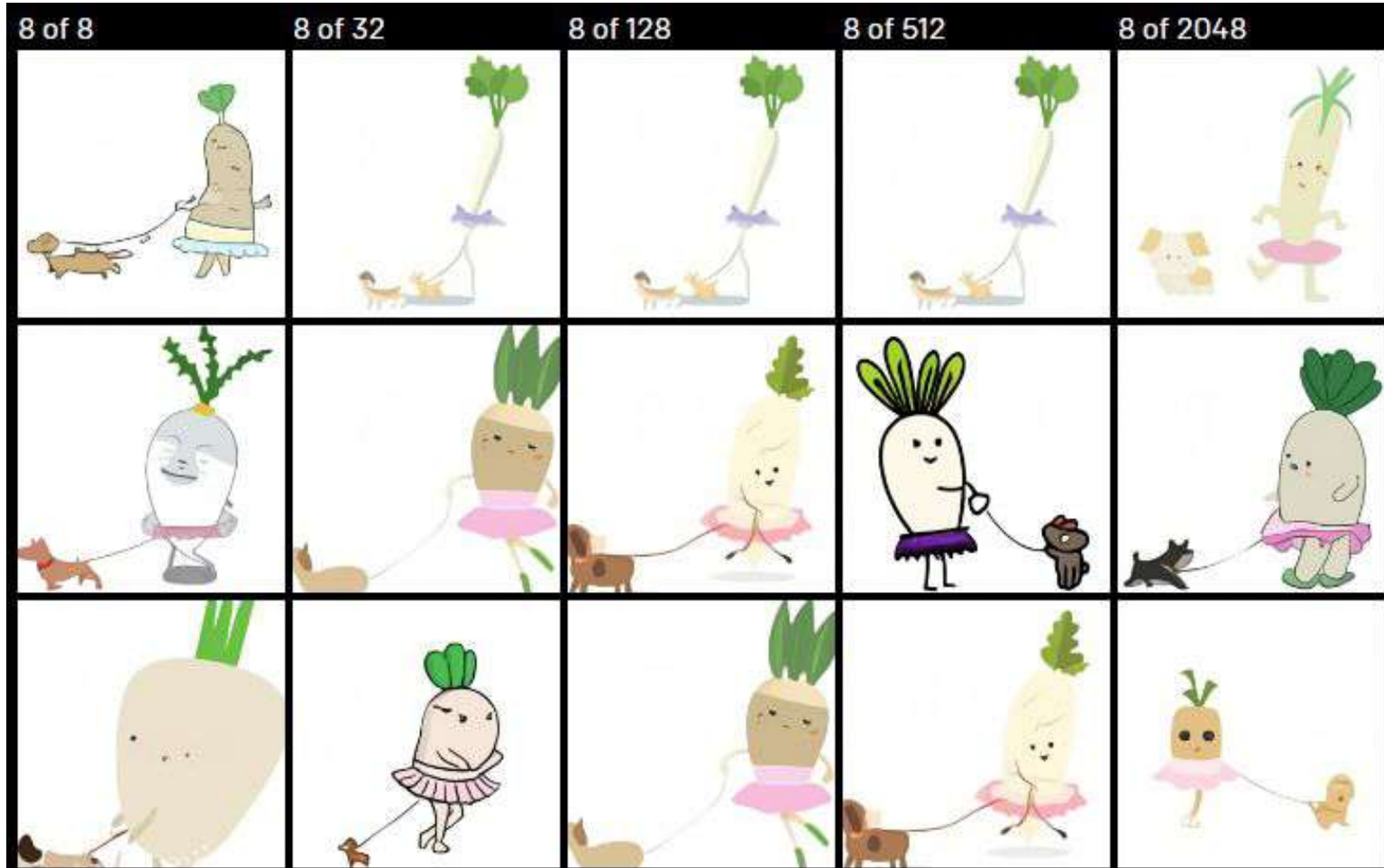
1. Feeling unproductive? Maybe you should stop overthinking (adolos.substack.com)
47 points by adolos 1 hour ago | flag | hide | 26 comments
- 2.▲ 'Doomscrolling' Breeds Anxiety. Here's How to Stop the Cycle (npr.org)
34 points by mrfusion 1 hour ago | flag | hide | 24 comments
- 3.▲ Why OKRs might not work at your company (svpg.com)
136 points by codesuki 4 hours ago | flag | hide | 49 comments

At the start of the week, Liam Porr had only heard of GPT-3. By the end, the college student had used the AI model to produce an entirely fake blog under a fake name.

It was meant as a fun experiment. But then one of his posts reached the number-one spot on Hacker News. Few people noticed that his blog was completely AI-generated. Some even hit “Subscribe.”

— source: [A college kid’s fake, AI-generated blog fooled tens of thousands. This is how he made it.](#) Karen Haoarchive, August 14, 2020

2021 DALL·E - “a baby daikon radish in a tutu walking a dog”



(CNN Business)An artist can draw a baby daikon radish wearing a tutu and walking a dog, even if they've never seen one before. But this kind of visual mashup has long been a trickier task for computers.

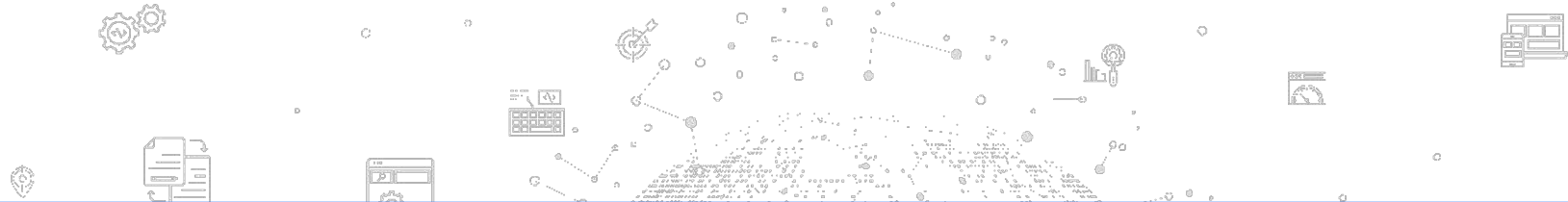
Now, a new artificial-intelligence model can create such images with clarity — and cuteness.

— source: [A radish in a tutu walking a dog? This AI can draw it really well](#), Rachel Metz, CNN Business, January 8, 2021

20 years ago, people said
AI will destroy the world

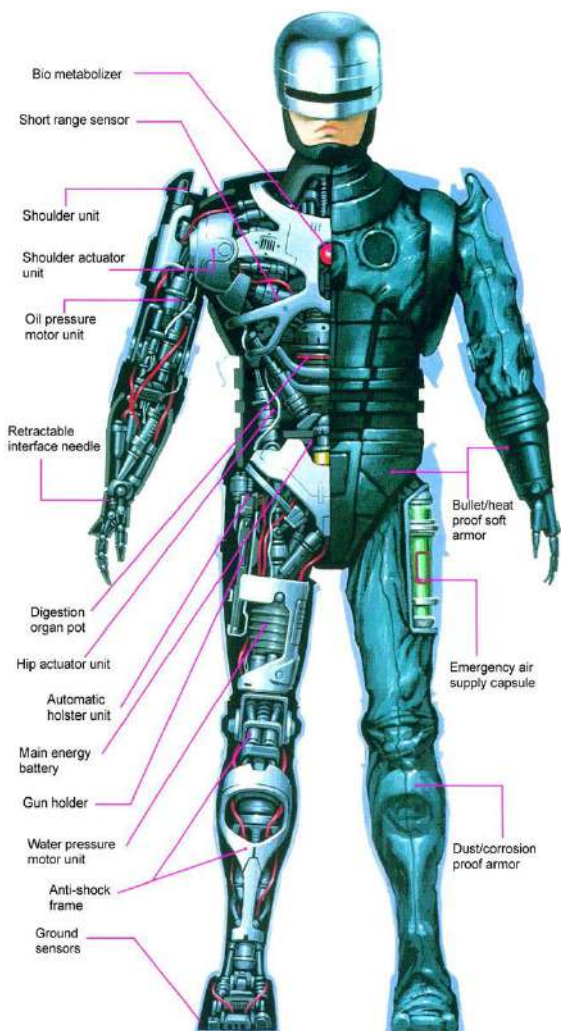
Today





what should I wear?

Hmm, I don't understand that.



Human Machine Collaboration for rescue



几乎每一门语言
都能六行代码
上线聊天机器人

多语言  wechaty

 wechaty

 wechaty

 wechaty

 wechaty

 wechaty

 Scala

 wechaty 最短六行代码 把IM变成聊天机器人



wechaty
Conversational SDK for Chatbot Makers

wechaty-getting-started
Wechaty Starter Project Template that works out-of-the-box

python-wechaty-getting-started
Python Wechaty Starter Project Template that Works Out-of-the-Box

go-wechaty-getting-started
Go Wechaty Starter Project Template that Works Out-of-the-Box

php-wechaty-getting-started
PHP Wechaty Starter Project Template that Works Out-of-the-Box

TypeScript 8.9k 1.4k

JavaScript 290 136

Makefile 11 11

Dockerfile 8 4

Dockerfile 3 1

Type: All Language: All

Top languages

- TypeScript
- Python
- JavaScript
- Makefile
- Shell

Idea from 2014...

- 常博 滑翔伞
给个链接? 12 Jul 2014 15:45
- 陈家林 代码注入
利用技术的举手之劳, 不客气 12 Jul 2014 15:46
- 玉洲 PrivateEquity
? 12 Jul 2014 15:46
- 杨晓磊 投中
干的漂亮! 12 Jul 2014 15:46
- 没太懂 12 Jul 2014 15:48
- 文思旻
🙄 12 Jul 2014 15:49
- 万熊@Derrick
同上 12 Jul 2014 15:50
- 梁公子Miranda
真心多 12 Jul 2014 15:51
- 任佳 TEEC
神马情况啊? 12 Jul 2014 15:52
- 好友真多 12 Jul 2014 15:53
- 好友真多 12 Jul 2014 15:54

- 之之悦和 🌸
- 庄 😄
- 準提行者 🙏
- 珠珠 🎀

12859位联系人

👋再见, 壹万俩仟捌佰伍拾玖位微信好友。由于微信运营组随意调整好友数上限, 导致多于5000个好友后就无法添加新好友了, 严重影响沟通效率。所以我决定清空所有好友 (因为数量太多无法一个一个的删除)。这里感谢鲟鱼汇, 他们团队通过...

- 好广告啊 12 Jul 2014 15:33
- 王薪皓Mr.AE
👍👍 12 Jul 2014 15:34
- 这个软件我能用一下吗 12 Jul 2014 15:35
- 邬洪禾 安管中心
不是吧 12 Jul 2014 15:36
- 杨晓
这个好 12 Jul 2014 15:36
- 杨01 Chris
这。。。 12 Jul 2014 15:36
- 杜嵩
这就是所谓的“友尽”了。🙄 12 Jul 2014 15:37
- 陈捷
🙄🙄 12 Jul 2014 15:37
- 姚锦程 爱特咖啡 厦门
你好友也太多了 12 Jul 2014 15:37
- 黄颖峰 E12SH3
厄 12 Jul 2014 15:37
- 谭志成 12 Jul 2014 15:37

Comment



Send



Comment

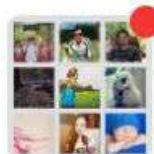
52 95

Comment




Send

 投资圈&游戏圈 16:29
[10393条] ASO优化@加速审核-...


 EMBA联盟天使投资俱乐部... 16:29
[有人@我] 向你推荐了A0加我送...

 中华互联网金融圈 16:29
[8428条] 郑州建材: [链接] 一个...

 123AAA 投融资项目交流群一 16:29
[6824条] 要做就做第一名15365...

 广告圈VIP1群 (全国) 16:29
[5614条] @壹媒介道闸全国投放...


 央视创投智库 16:28
[1154条] 石克清-微峰资本: @舒...

 MC中国天使投资人 (合伙... 16:28
[212条] 老麦(创投梦工场)投资...


 EMBA联盟新三板学院 15:58
[990条] 陈德杉: [图片]

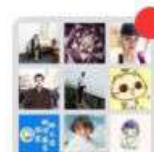
 北中长清EMBA北京联盟 15:57
[155条] 孙强 北大光华E87班: 万...

 自由飞翔 15:56
[2725条] 江西大姚: 看三号的

 投融资 & 恩美路演4群 15:55
[627条] 恩美路演~助理~林敏...

 🐶窝群【联合创始人... 15:54
[188条] 应昀臻 省创协 媒体中心:...

 投融资&恩美路演114群 15:54
[2458条] 恩美路演~助理~林敏...

 中国创业者联盟资源对接群 15:52
[有人@我] 北京李昭坤: [链接] 直...

A HUGE WAVE OF INFORMATION IS APPROACHING!



As an AI Professional & ML Expert

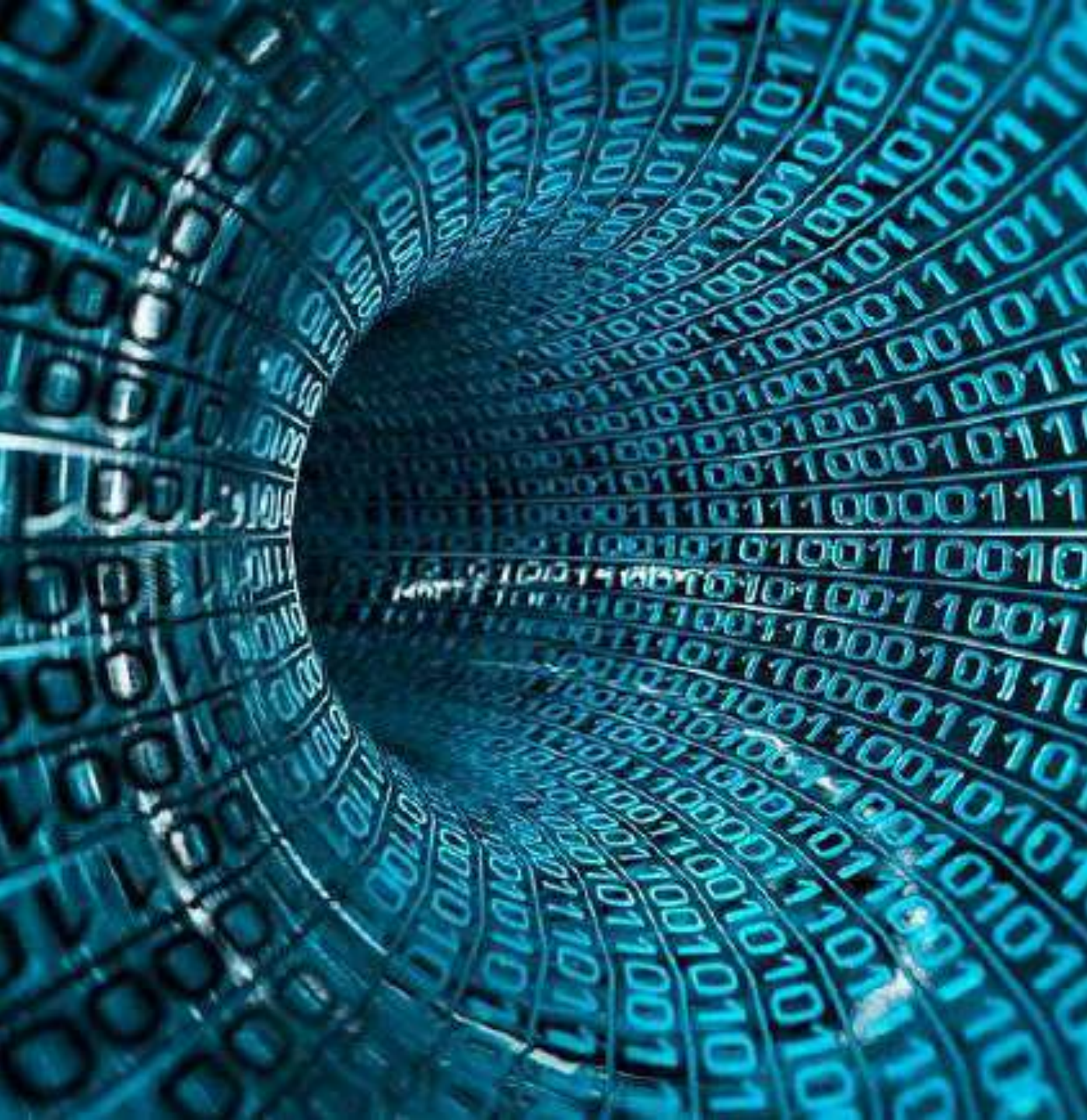


1. focus on helping Artificial Intelligence Startups

2. to use the State-Of-The-Art Machine Learning Algorithms

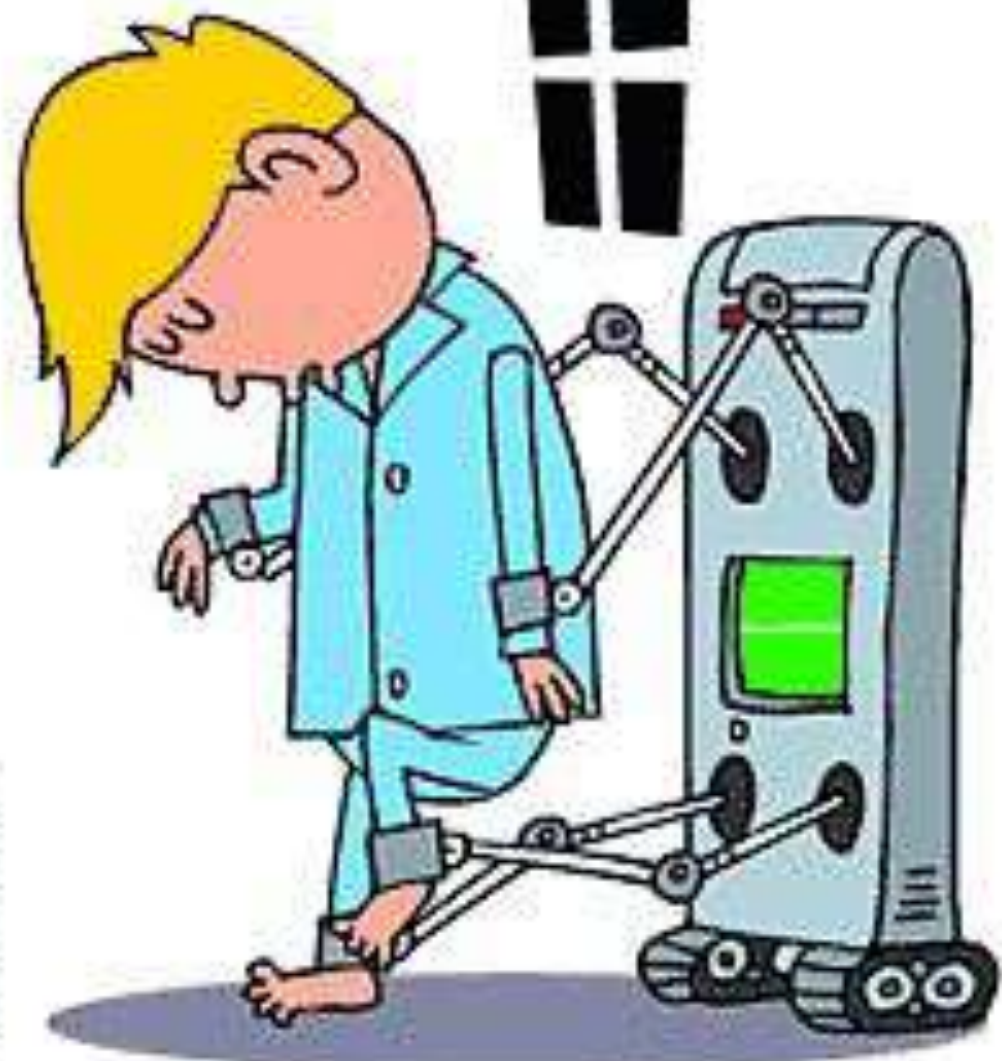
3. to solve the Real-world Problem



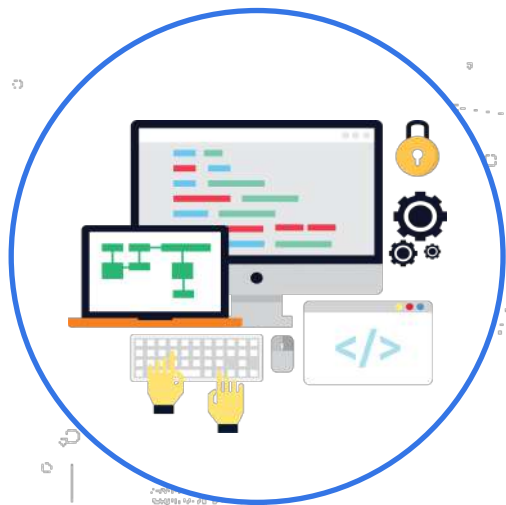


Kid 3000

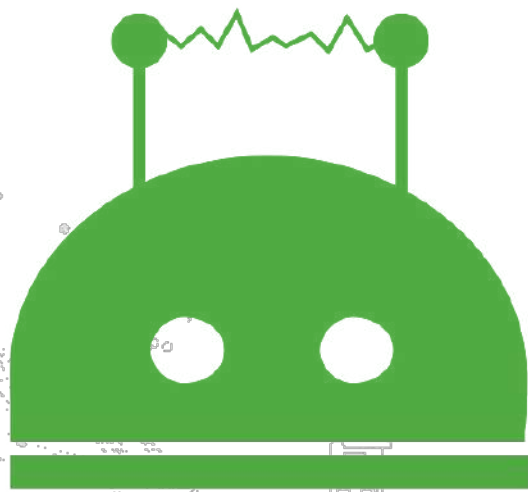
Jim Benton



In the future, you'll save time by having a robot make you exercise while you sleep.



Developer



wechaty

Chatbot Connector



WeChat ChatBot

npm v0.62.3 NPM passing Docker passing downloads 8.1k/month github stars 10k docker pulls 3.7k </> TypeScript chat on gitter chat on telegram

GitHub Repo: <https://github.com/wechaty/wechaty>

Web Site: <https://wechaty.js.org>

A chatbot is a software application used to conduct an on-line chat conversation, in lieu of providing direct contact with a live human agent. A chatbot is a type of software that can automate conversations and interact with people through messaging platforms. — [Wikipedia](#)

 Wechaty is a modern [Conversational RPA](#) SDK for Chatbot Makers which can create a bot in a few lines of code.

Wechaty offers out-of-the box support for the common features you'd expect from turning your IM account into chatbot, and can be easily customised and extended by developers to create a chatbot that is tailored to their precise needs.

Wechaty support lots of popular instant messaging platforms:

[Puppet WeChat](#) [Puppet Whatsapp](#) [Puppet Official Account](#) [Puppet Gitter](#) [Puppet Lark](#) [Puppet PadLocal](#) [Puppet WeChat4U](#) [Puppet Service](#)
[Puppet Mock](#) [Provider DIY](#)

And you can write Wechaty in almost all popular programming languages:

[Wechaty OpenAPI](#) [Wechaty TypeScript](#) [Wechaty Python](#) [Wechaty Go](#) [Wechaty Kotlin](#) [Wechaty Scala](#) [Wechaty PHP](#) [Wechaty .NET](#) [Wechaty Rust](#)
[Wechaty DIY](#)

Live demo

```
ding-dong-bot.ts — wechaty-getting-started [SSH: dev.zixia.net]
TS ding-dong-bot.ts x
examples > TS ding-dong-bot.ts > ...
40 async function onMessage (msg: Message) {
41   log.info('StarterBot', msg.toString())
42
43   if (msg.text() === 'ding') {
44     await msg.say('dong')
45   }
46 }
47
48 const bot = new Wechaty({
49   name: 'ding-dong-bot',
50   /**
51    * How to set Wechaty Puppet Provider:
52    *
53    * 1. Specify a 'puppet' option when instantiating Wechaty. (like '{ puppet: 'wechaty-puppet-wechat' }')
54    * 1. Set the 'WECHATY_PUPPET' environment variable to the puppet NPM package name.
55    *
56    * You can use the following providers:
57    * - wechaty-puppet-wechat (web protocol, no token required)
58    * - wechaty-puppet-whatsapp (web protocol, no token required)
59    * - wechaty-puppet-padlocal (pad protocol, token required)
60    * - wechaty-puppet-service (token required, see: <https://wechaty.js.org/docs/puppet-providers/>)
61    * - etc. see: <https://wechaty.js.org/docs/puppet-providers/>
62    */
63   puppet: 'wechaty-puppet-whatsapp'
64 })
65
66 bot.on('scan', onScan)
67 bot.on('login', onLogin)
68 bot.on('logout', onLogout)
```

```
huan — -bash — 91x40
[huan@Huans-MacBook-Air.local:~ [17:45:17] tty:[ttys005] jobs:[0]]
$ figlet -w 100 -f Electronic Wechaty live coding
WECHATY
LIVE
CODING
[huan@Huans-MacBook-Air.local:~ [17:58:15] tty:[ttys005] jobs:[0]]
$
```

\$ git clone [git@github.com:wechaty/wechaty-getting-started.git](https://github.com/wechaty/wechaty-getting-started.git)

Recap:

1. `$ WECHATY_PUPPET=wechaty-puppet-wechat npm start`

`INFO StarterBot Contact<Huan (季卓桓)> login`

2. `$ WECHATY_PUPPET=wechaty-puppet-whatsapp npm start`

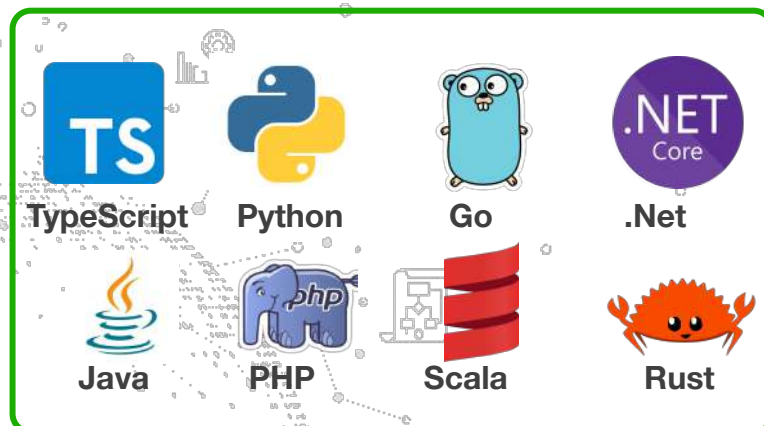
`INFO StarterBot Contact<16505033788@c.us> login`



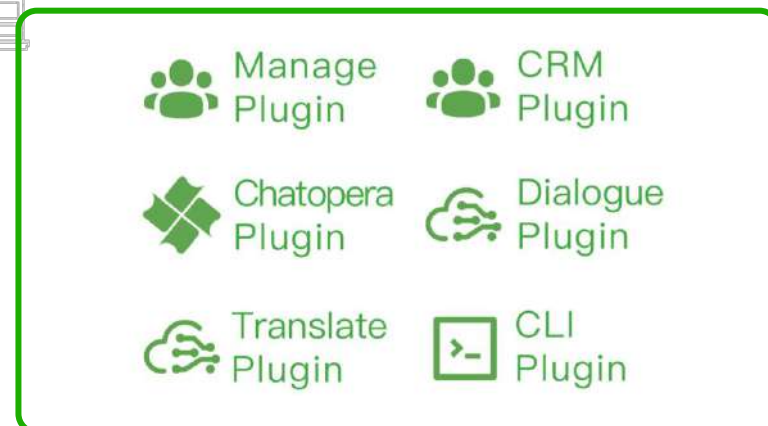
Wechaty 帮助开发者实现一个让用户无感知的在IM平台与接入的机器人对话或交互。开发者在 IM 平台扫码接入，自由选择底层并设计应用层，最终实现智能对话。官网：<https://wechaty.js.org>



只切换一个变量，其他代码不变就能登录新IM



支持常见流行编程语言，API定义跨编程语言保持一致



多加一行代码就能拥有复杂对话能力

荣誉:

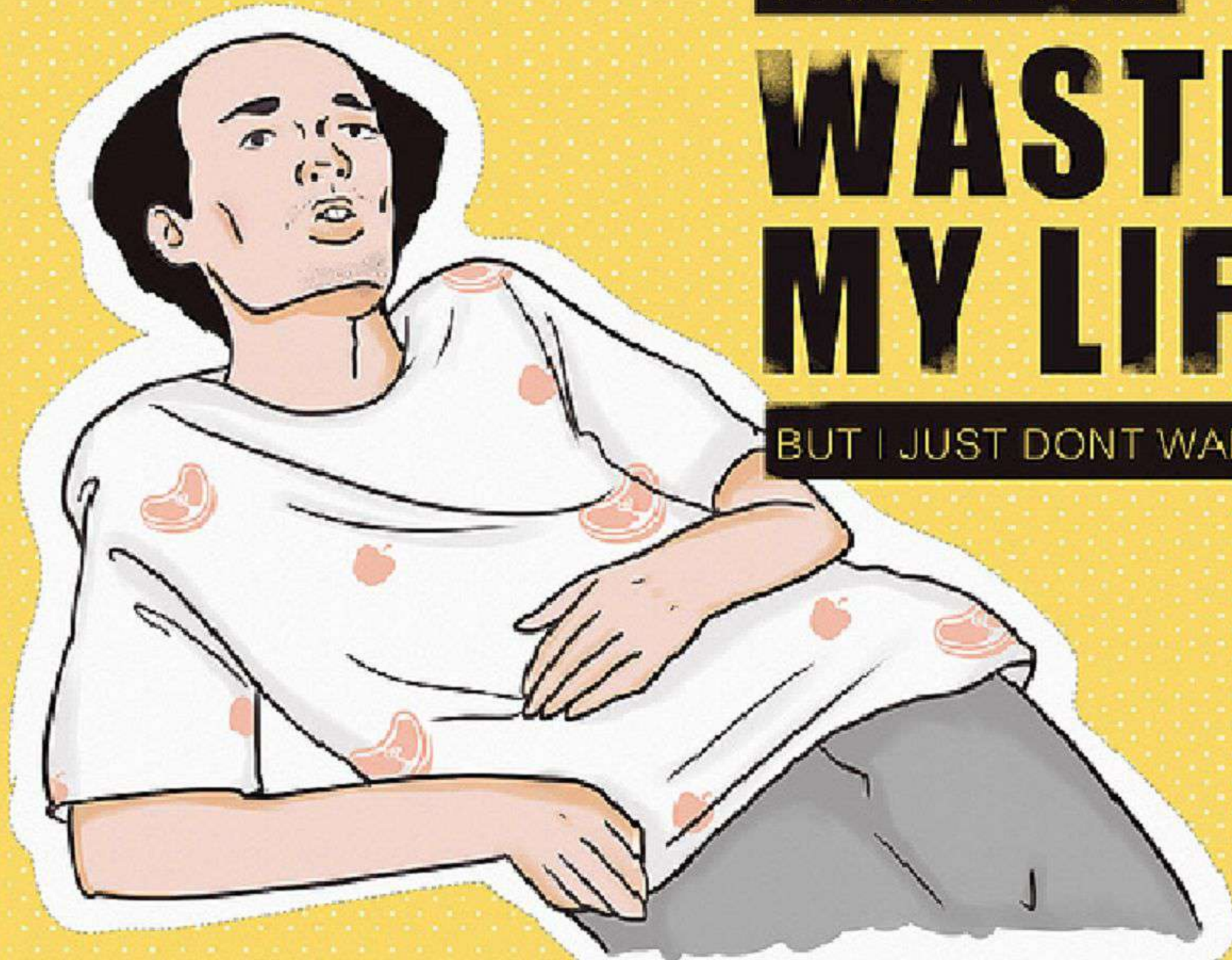
- Google Season of Docs 支持的30个全球顶级开源项目之一
- 被国内顶级开源组织中国开源云联盟评为优秀开源项目
- 开源项目作者李卓桓入选“中国开源先锋33人”
- 连续入选2020、2021年度开源软件供应链点亮计划
- 多次在 Google、Microsoft、百度大会上进行技术布道

相关数据:

- Github Stars: **11,000+**
- Github Fork: **1,500+**
- Npm install: **1,000,000+**
- Issue/PR: **2,190+**

开发者群体:

- 微信群: **5,000+**
- 被开源项目所使用: **800+**
- 国际 Contributor: **20+**
- Blog/Post: **260+**



I KNOW I AM

WASTING MY LIFE

BUT I JUST DONT WANT TO STOP

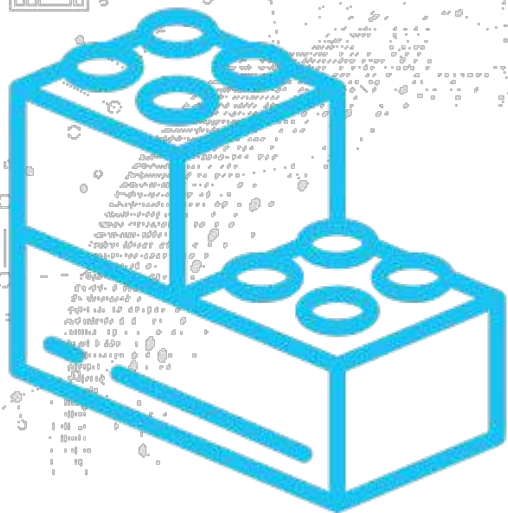
wechaty

Connect ChatBots

Wechaty is a Conversational RPA SDK for building a chatbot in 6 lines of code, with cross-platform support including WeChat, Whatsapp, WeCom, Gitter, DingTalk, etc.



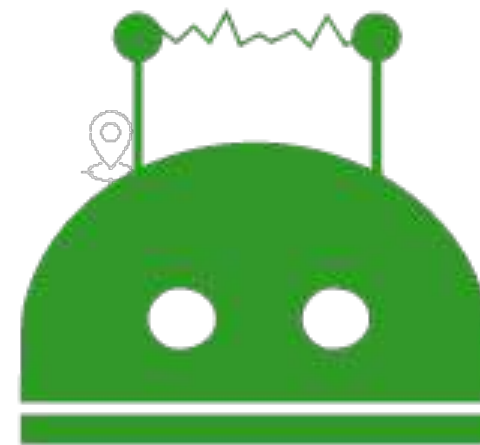
Huge Opportunities of Conversational User Interface



Startups
+AI



Conversational
User Interface



 **Wechaty**
Open Source
Community



Thanks

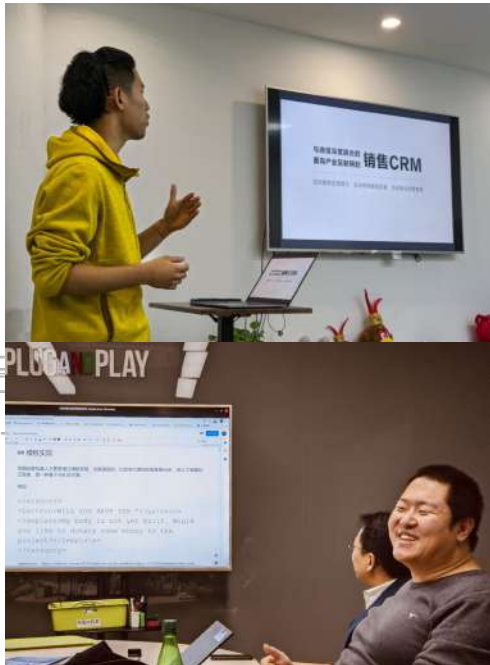
<https://wechaty.js.org>



Huan (李卓桓)

zixia@zixia.net
Twitter: @huan_us





Q & A

Community Chat Channel

<https://gitter.im/wechaty/wechaty>

