

GARY VEE - Entrepreneur



https://youtu.be/EYoRjPpdigM

.... We will be educated about the travel destination, during the course of the dinner, and at the end we will say 'Alexa, book it!'

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- Engineer Team Lead at Spryker
- I worked for Rocket
 Internet and
 Vodafone Italy

This talk is about trying to solve a puzzle.



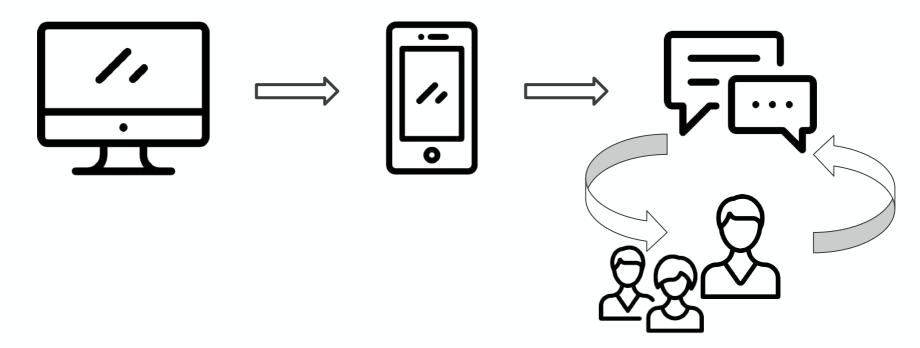
The role of a bot



What is a bot?



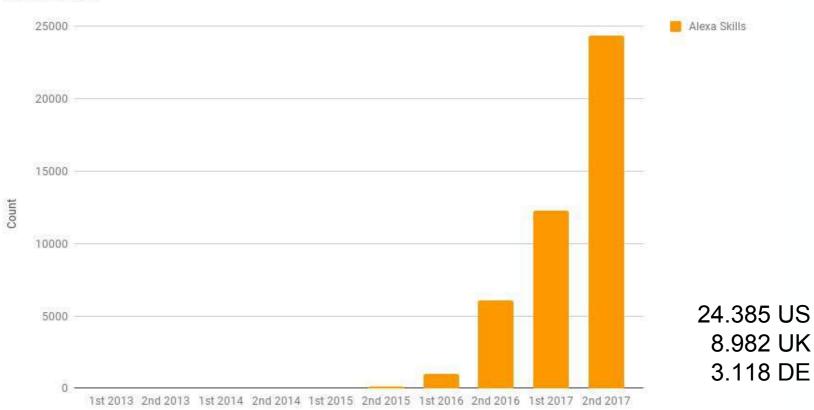
"A (**chat)bot** is a computer program which conducts a conversation via auditory or textual methods." (via Wikipedia)



Web, Mobile and Bots







Data source: Techcrunch.com, Voicebot.ai, Statista.com

Mapping Web/Bot



 In an e-commerce, we already 'solved' the mapping needed to have a functional bot.

Bot

Conversational Search

Products detail

One click buy

After-sale action

Customer Care

Web

Fulltext Search

Product Detail Page

Cart/Checkout

Shipment Info & Returns

CRM + Email + Phone

Evolution



All we can reduce this to, is Evolution...



...



Search - 50 results

10 results

3 results

Response - 2 sec

300-500 msec

100 msec

Checkout - 4/5 steps

1-2 steps

1 click

It's the next Far West

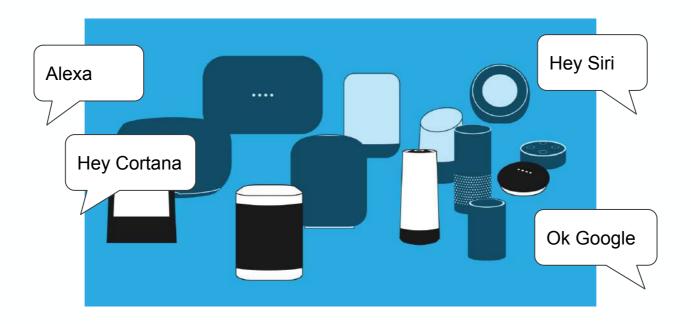




"Alexa, add soap to my shopping cart"



"I would like to see who sells shoes nearby"





Chat vs Voice



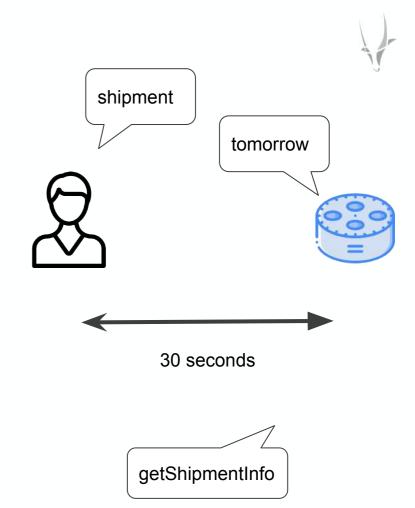
Similarities

Convey small information

Users want to ask for info

Time interaction is short

Narrow down to intent/response



Differences

Where is my shipment?

Voice better for informative skills

It will be delivered tomorrow

Voice has longer message/interactions

shipment

tomorrow

Use cases are different

getShipmentInfo



**** (shipment) **** (order)

Different technologies



Use Cases



User Journey





User Journey

- Try to fill the gaps of how much the user interacts with your business
- That would create a more efficient and engaging communication
- Think it overtime, 1 week, 1 month. That might increase the time of engagement for your user.

Example:

- In our example, the user wants a perfume for his wife, but it's out of stock
- With chat-bots notifications, he can order it meanwhile commuting instead of doing it at work (and forgetting)
- The same for the an home device with voice skills. Once the user is back home, can ask Alexa 'what is the status of my shipment?'

- Other channels (Web, Mobile, Smartwatch, iPad) are still supportive of your business

Use Case 1: Shoe Shop





Use Case 2: Customer Care









How do I start?



How do I start?









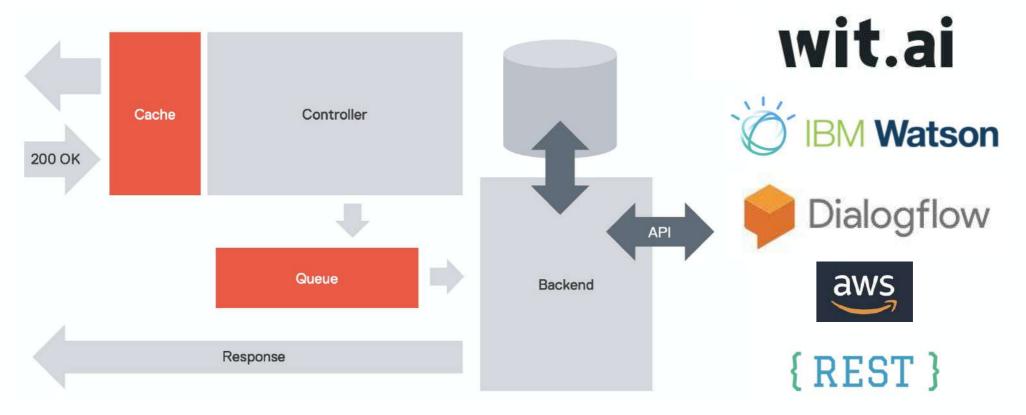
Branding



Tone

Backend Design

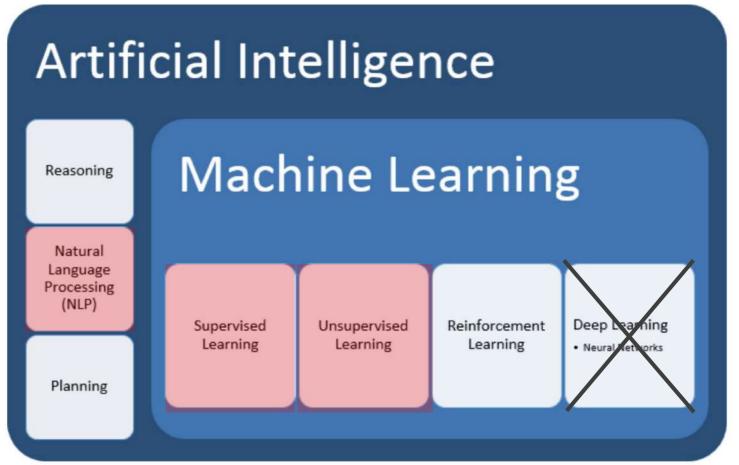




Build a Facebook Bot: https://blog.spryker.com/how-to-build-bot-5-steps
API Design: https://www.slideshare.net/ciacchi/rest-api-a-real-case-scenario

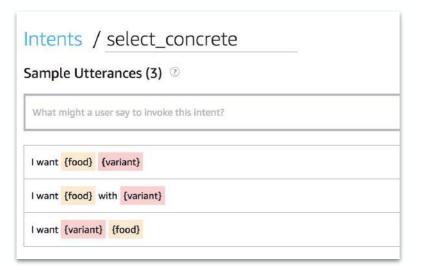
Machine Learning





Machine Learning For Dummies, IBM Limited Edition

Building an Alexa skill









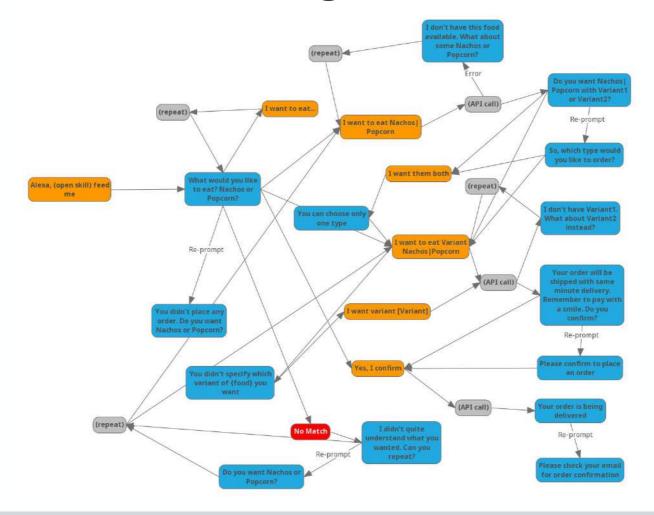
```
Skillinator.io
                   Interaction Model JSON
                                                                                                       Lambda Template
                                                                                                              'select_concrete'; function () [
                             "intents": |
                                                                                                                   //delegate to Alexa to collect all the required slot values
                                                                                                              let filledSlots - delegateSlotCollection.call(this);
                                  "name": "select_concrete",
                                                                                                                   speechOutput - ";
                                 "confirmationRequired": false,
                                                                                                                   //any intent slot variables are listed here for convenience
                                  "prompts": (),
                                  "slots": [
                                                                                                                   let foodSlotRaw = this.event.request.intent.slots.food.value;
                                                                                                                   console.log(foodSlotRaw);
                                       "name": "food",
                                                                                                                   let foodSlot = resolveCanonical(this.event.request.intent.slots.food);
                                       "type": "slot_food",
                                                                                                                   console.log(foodSlot):
                                       "confirmationRequired": false
                                                                                                                   let variantSlotRaw = this.event.request.intent.slots,variant.value;
                                       "elicitationRequired": false,
                                                                                                                   console.log(variantSlotRaw):
                                       "prompts": ()
                                                                                                                   let variantSlot = resolveCanonical(this.event.request.intent.slots.varia
                                                                                                                   console.log(variantSlot);
                                      "name": "variant",
                                                                                                                   //Your custom Intent handling goes here
                                       "type": "slot_variant",
                                                                                                                   speechOutput = "This is a place holder response for the intent named
                                       "confirmationRequired": false
                                                                                                                   this.emit(':ask', speechOutput, speechOutput);
                                       "elicitationRequired": true,
                                                                                                              'Unhandled': function () [
                                          "elicitation": "Elicit.Intent-select_concrete.IntentSlot-varian
                                                                                                              speechOutput = "The skill didn't quite understand what you wanted. Do y
```



```
'select_concrete': function () {
   speechOutput = "";
   let self = this;
   let foodSlotRaw = this.event.request.intent.slots.food.value;
   console.log(foodSlotRaw);
   let foodSlot = resolveCanonical(this.event.request.intent.slots.food);
   console.log(foodSlot);
   let variantSlotRaw = this.event.request.intent.slots.variant.value;
   console.log(variantSlotRaw);
   let variantSlot = resolveCanonical(this.event.request.intent.slots.variant);
   console.log(variantSlot);
   // Request options
   const options = {
       hostname: globalHostname,
       port: 80,
       path: '/alexa/cart?variant=' + variantSlot,
       headers: {
           'Accept-Encoding': 'gzip, deflate'
   3;
```

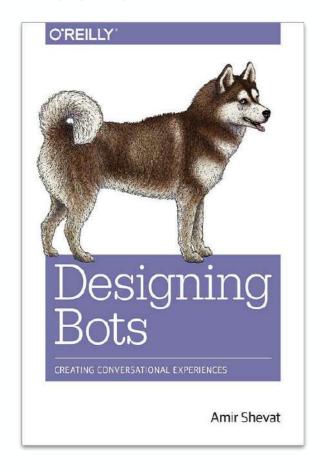
A simple Alexa skill dialog

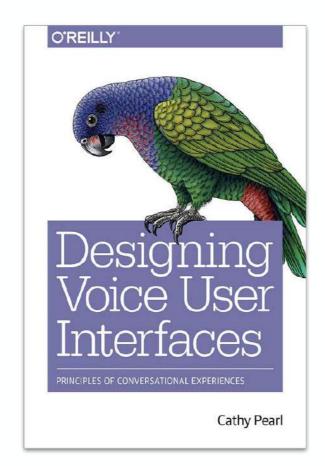


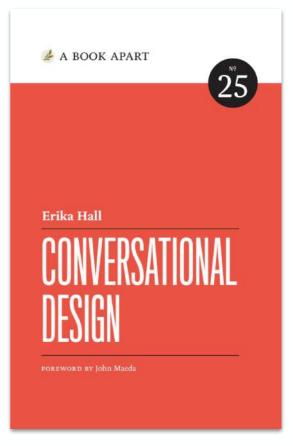


Books









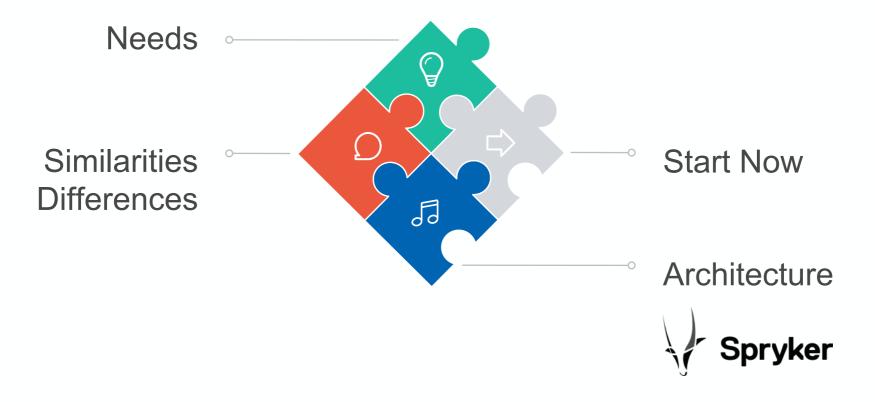
https://oreil.ly/2pDdHYH

https://oreil.ly/2G9ZR7d

http://bit.ly/2G7Ggo4

Puzzle solved







Fabrizio Ciacchi



QUESTIONS?

http://bit.ly/code-talks-2018

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