Bot Toolkit Overview

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Hi! I’m Amir (@ashevat).
Bot Anatomy

- Prototyping/Product
- Hosting
- Code Frameworks
- Artificial Intelligence
- Authoring Tools
- Analytics
Prototyping
Prototyping Tools

Protobot

BotFrame

WALKIE

BotSociety
Prototyping Example
Experiment
Best Practices

- Prototyping is a must for every bot
- Have a conversation in person
- Not everything is a conversation
Hosting

- Amazon Web Services
- Microsoft Azure
- Heroku
- Google Cloud Platform
Best Practices

- All bots are hosted
- Think scale because it will come fast
- Read the logs
Code Frameworks
controller.hears(
    ['hello', 'hi', 'greetings'],
    ['direct_mention', 'mention', 'direct_message'],
    function(bot, message) {
        bot.reply(message, 'Hello!');
    }
);
Best Practices

- Great for code intensive bots
- Cross platform is still a problem (is it really?)
- Node.js seems to be the language of choice
Artificial Intelligence
What is AI good for?

▪ Natural/conversational language understanding
  - Intents mapping (Dialog management)
  - Entities extraction
▪ Machine Learning and Optimizing
  - Human training
  - Past data training
▪ Sentiment analysis
▪ Image recognition
Artificial Intelligence Services
AI SDKs

Stanford's Core NLP Suite
Natural Language Toolkit (Python)
Apache OpenNLP
Many more.
Avoiding This

What do we want?

Chatbots!

When do we want them?

Sorry, I didn’t understand your request.
Enabling this

Yes, I can see images! 😊

Where do tabby cats come from

I found this on the web

#BotDay
Example
Best Practices

▪ Not every bot needs AI
▪ Fake it until you need it
▪ Context, context, context
▪ Compare services
▪ Human training and supervision
Authoring tools
Authoring Tools

PullString™

AUTOMAT

RECAST.AI

imperson
Pullstring

#BotDay
Best Practices

- No standard format (And there should be)
- All in One solution
- Make your use cases are supported
- First class experience for each platform rather than lowest common denominator

#BotDay
Analytics
Bot Analytics

botanalytics
dashbot
BOTAN
Dashbot Analytics

Prior
1484
what did you think of that round? (i'll listen in the room for 30 seconds)

Current Message
103
@user>: play categories

After
579
game stopped.

71
a game is already running in this room

name as many trees as you can in 60 seconds starting now!
DashBot Analytics

Top 15 Teams

- The Jedi
- Knights of Ren
- Tatooine
- Ewoks
- Hoth Skiers
- Skywalkers
- Nerf Herders
- The Droids
- Coruscant Raiders
- The Dark Side
- XWing
- Galactic Republic
- Naboo
- Stormtroopers
- Friends of Jabba
Best Practices

- A must have for every bot
- Read the logs
- Constantly improve and optimize
Before we Finish
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