

AI Day.info



Microsoft



MICROSOFT AI SERVICES WORKSHOP

Martin Kearn, @MartinKearn





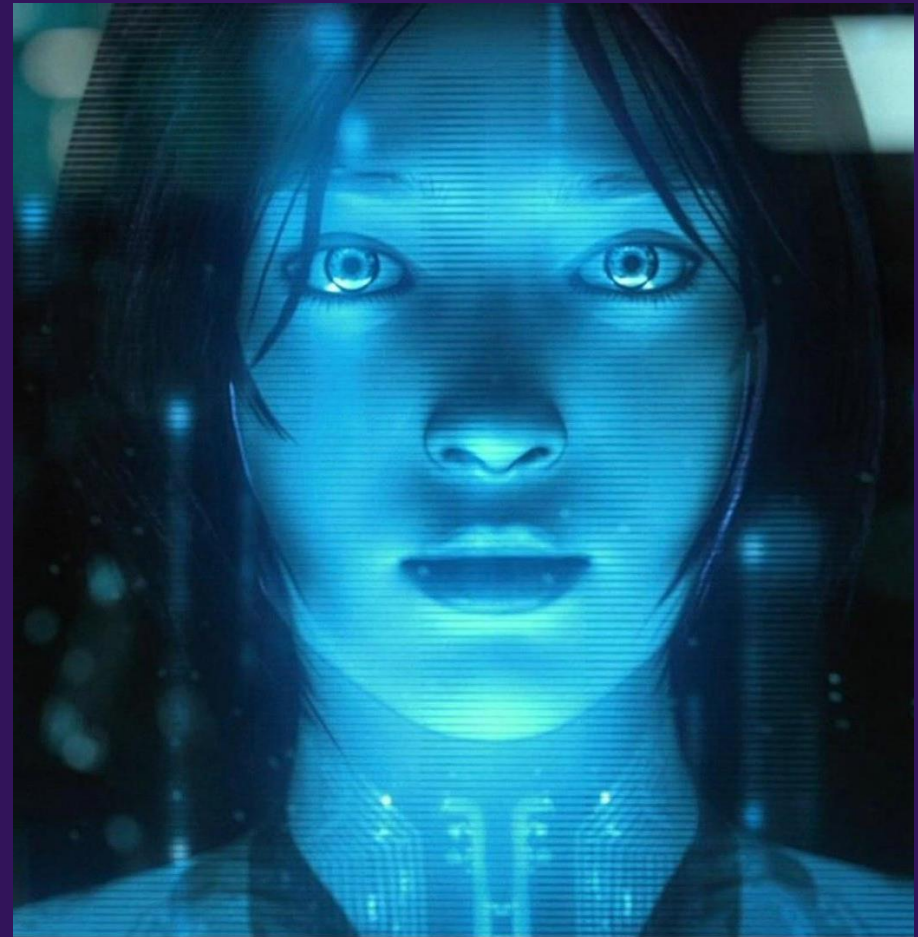
WELCOME DUBLIN



WHY ARE WE HERE?



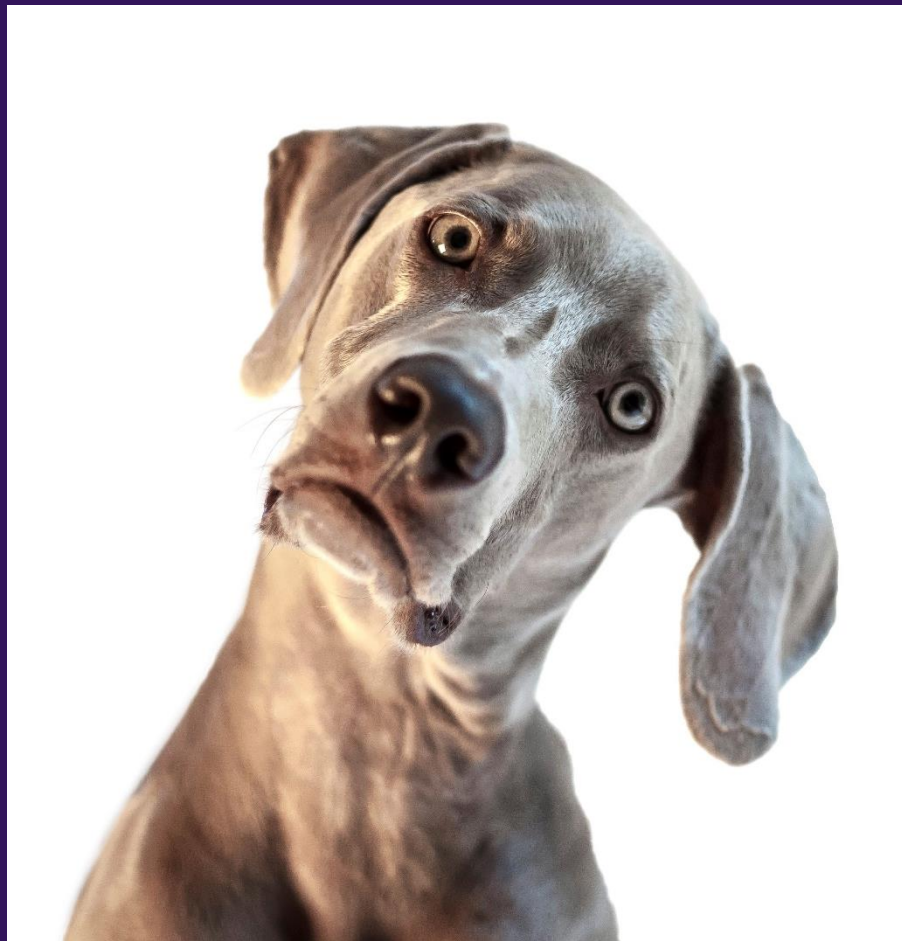
- ▶ Hands-on learning
- ▶ Microsoft AI Services
- ▶ Get inspired



WHAT'S THE PLAN?



- ▶ 7 sessions
- ▶ Presentation, demo & labs
- ▶ Envisioning
- ▶ GitHub repo to take away




YOUR TAKEAWAYS



- ▶ What is available
- ▶ How to use it
- ▶ Get inspired





9:00	The Microsoft AI Platform	Martin
9:45	Computer Vision Services	Frances
10:30	Break	
10:45	Bots & Conversational Apps	Jamie
11:45	Knowledge Services	Martin
12:30	Lunch	
13:15	Language & Speech Services	Frances & Jamie
14:00	Machine Learning	Andrew
14:45	Summary & Envisioning Intro	Martin
15:00	Break	
15:15	Envisioning	Groups
17:00	Close	

WE WANT TO WORK WITH YOU



- ▶ 4-5 day 'hacks' with Microsoft
- ▶ Fast-start your solution
- ▶ Real-world case studies
- ▶ Free of charge

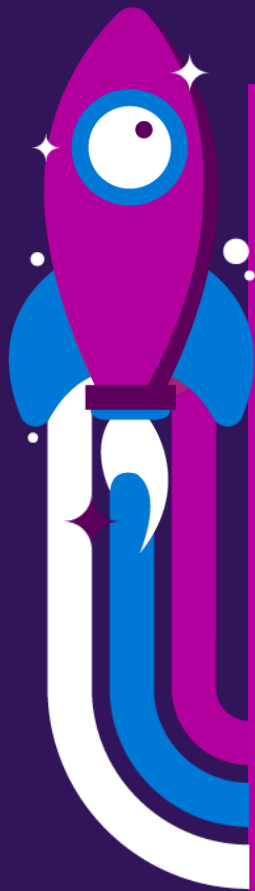


#MSAIDAY
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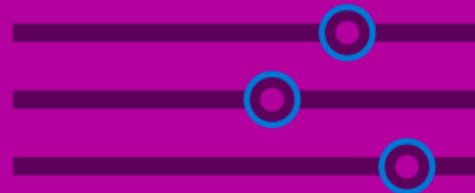
DEMO

GET ON AZURE



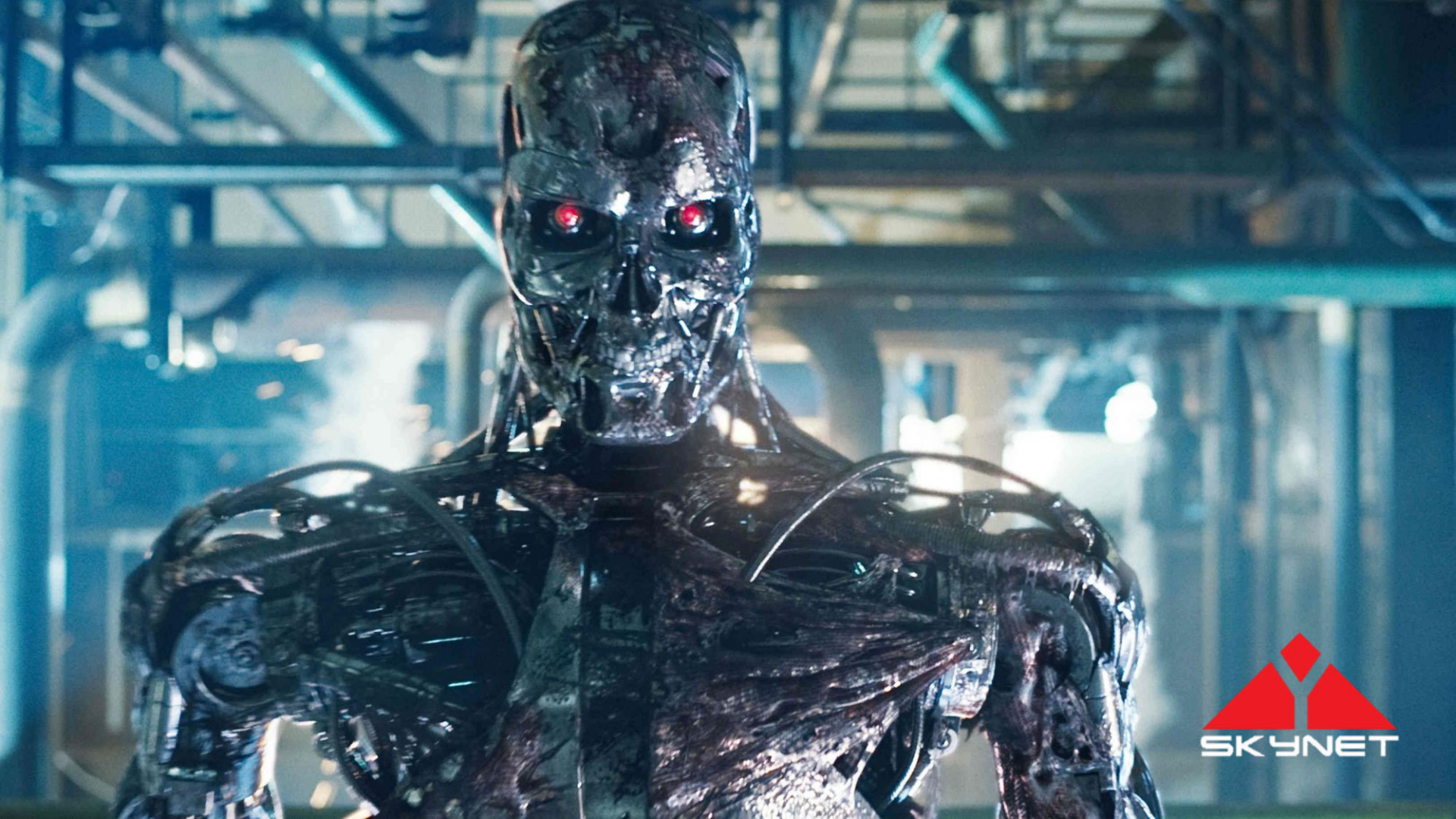
THE MICROSOFT AI STORY

Martin Kearn, @MartinKearn



MICROSOFT & ARTIFICIAL INTELLIGENCE?







IT'S REALLY CLIPPY ON STEROIDS



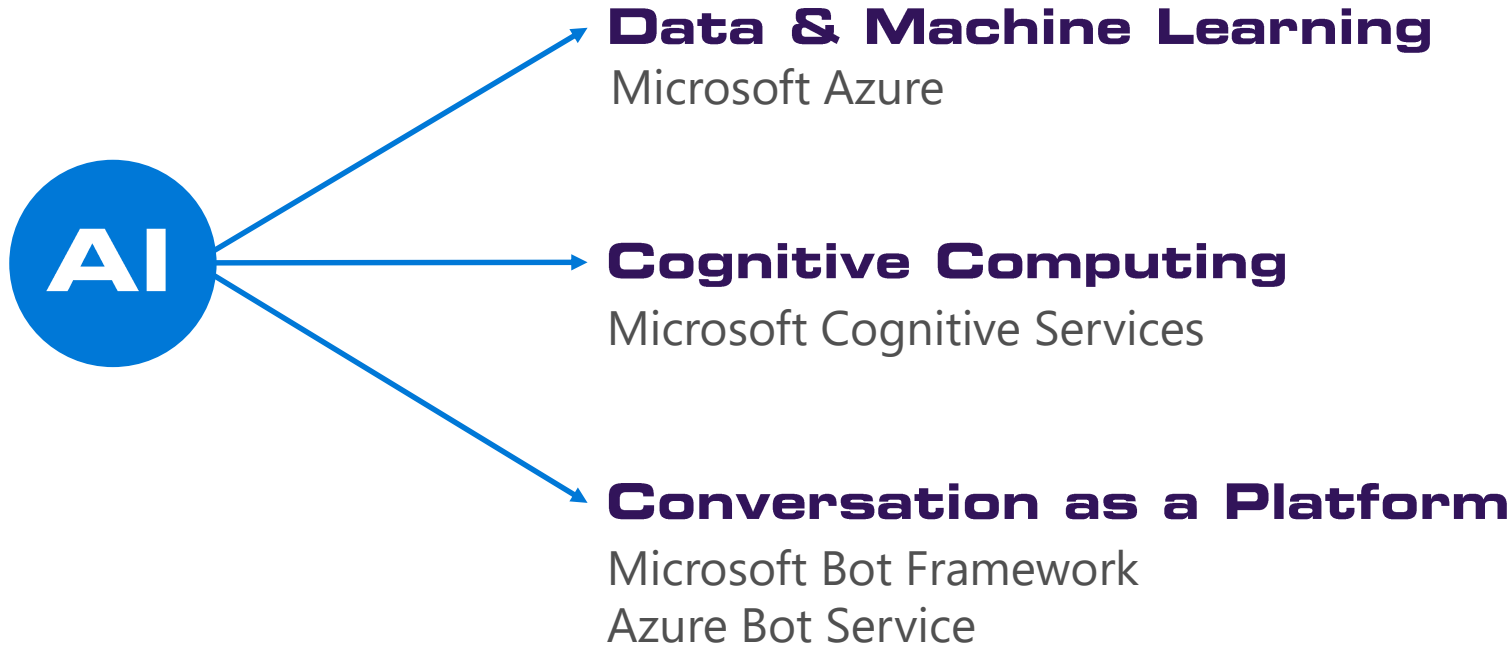


**HUMANS + MACHINES =
ULTIMATE INTELLIGENCE**



WHAT ARE MICROSOFT'S MACHINES?





MICROSOFT AI PLATFORM



DATA & MACHINE LEARNING



**MACHINE LEARNING FINDS
PATTERNS IN DATA
PROVIDES INSIGHTS IN NEW DATA
USING THOSE PATTERNS**



Credit Card Fraud Detection
Revenue Predictions
Customer Churn
Recommendations
Predictive Maintenance
Computer Vision
Search
Natural Language Processing
Sentiment Analysis
Motion Detection
Translation
Content Moderation

**ANY SCENARIO WHERE
A PATTERN CAN BE
RECOGNISED IN DATA**

USE CASES

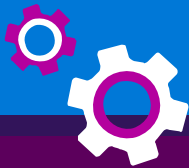


A decorative graphic in the bottom-left corner consisting of several concentric, curved bands in white, blue, and purple.

NO DATA? NO SCIENTISTS?

MICROSOFT COGNITIVE SERVICES

ADD SMARTS TO YOUR APP



- ▶ Machine Learning Backend
- ▶ Simple REST APIs
- ▶ Free or Cheap





Vision



Language



Speech



Search



Knowledge

Computer vision

Face

Emotion

Content Moderator

Video

Video Indexer

Text analytics

Spell check

Web language model

Linguistic analysis

Translator Text

Translator Speech

Speaker recognition

Bing Speech

Web search

Image search

Video search

News search

Autosuggest

Entity search

Academic knowledge

Entity linking service

Knowledge exploration

Recommendations

QnA maker

Custom

Vision Service

Custom

Language
Understanding

Custom

Speech Service

Custom

Search

Custom

Decision Service

+6 Cognitive Services Labs APIs











30+ APIs



CONVERSATION AS A PLATFORM



7 OF THE TOP 10 APPS ARE MESSAGING APPS

- | | | | |
|---|---|---|----|
| 1 |  |  | 6 |
| 2 |  |  | 7 |
| 3 |  |  | 8 |
| 4 |  |  | 9 |
| 5 |  |  | 10 |

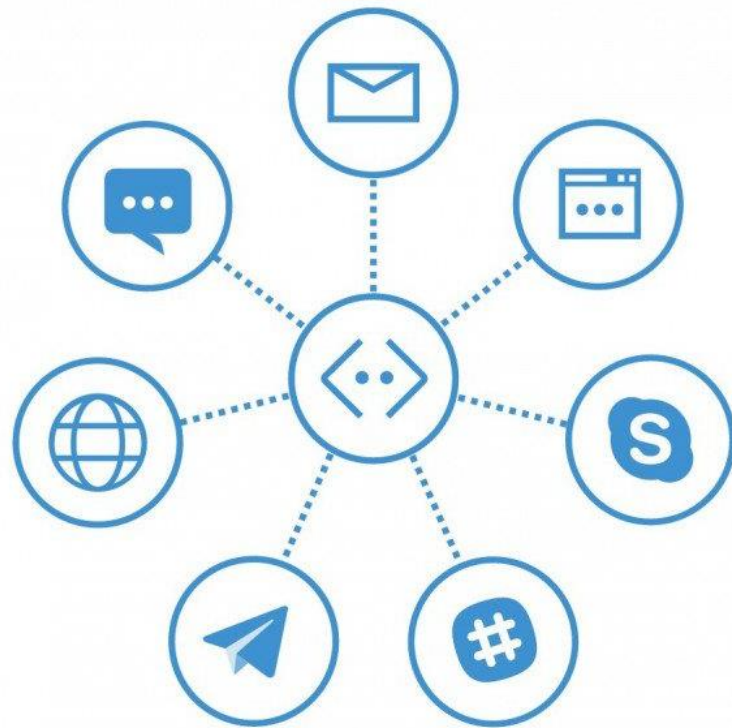
**LANGUAGE IS
THE NEW UI
BOTS ARE THE
NEW APPS**



MICROSOFT BOT FRAMEWORK



- Build one bot
- Host one bot
- Maintain one bot
- Publish to multiple channels



MAKING A DIFFERENCE



CONTACT ME


MARTIN KEARN

@MartinKearn

Martin.Kearn@Microsoft.com

AIDay.info/Martin





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