# Exploring Amazon's Echo and the Alexa Voice Service

# Introductions



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# The VUI - The Voice User Interface



Let's text Vivek a Magical Message



Touch the magic ball for a magical message!



Magical Messages



## Magical Messages

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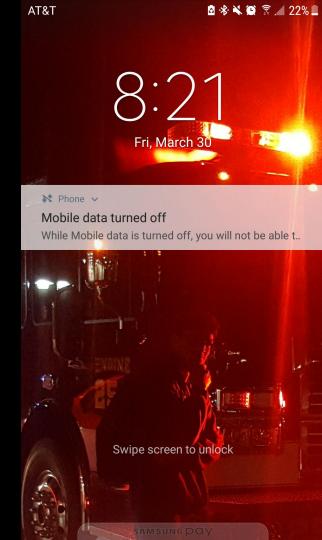
Touch the magic ball for a magical message!

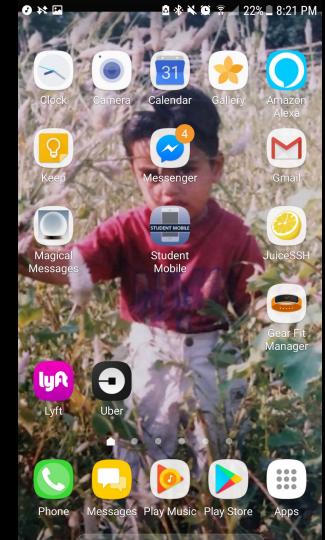


Acquired pleasures should only supplement an already joyful life.



Let's see how many steps it takes:







Touch the magic ball for a magical message!



Like what you see? Send this message to yourself or a friend!





Touch the magic ball for a magical message!



You are a wonderful person.

Like what you see? Send this message to yourself or a friend!





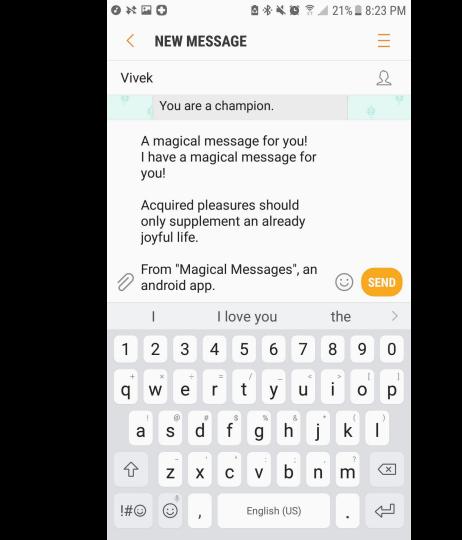
Touch the magic ball for a magical message!

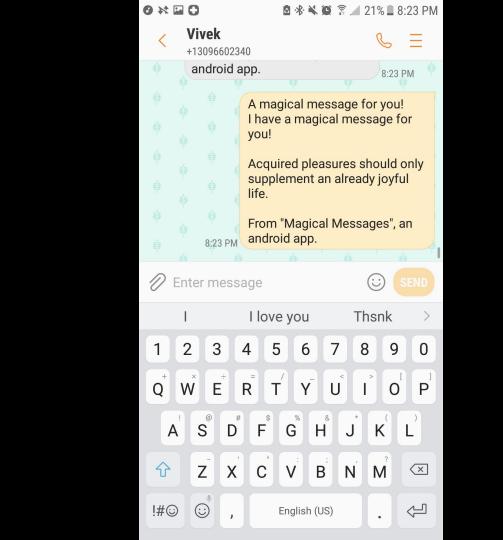


Acquired pleasures should only supplement an already joyful life.

Like what you see? Send this message to yourself or a friend!







Take away the screen, add an Echo, and with voice I can shorten that entire process simply to:

Amazon Echo + Alexa + AWS

# Amazon Echo

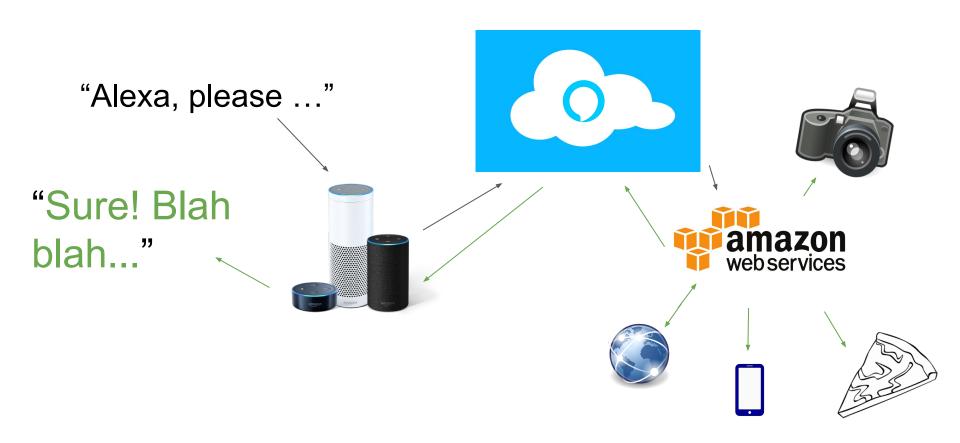
# Alexa



Amazon Echo + Alexa + AWS



Amazon Echo + Alexa + AWS



Amazon Echo + Alexa + AWS + ...

What are we going to do today?



Amazon Echo + Alexa + AWS Lambda + AWS SNS

Welcome to the University of Illinois.

# Let's get started.

# github.com/mrvivacious

AWS\_Lambda\_and\_SNS

# Image sources

VUI (slide 4): <a href="http://www.woshipm.com/pd/765280.html/comment-page-1">http://www.woshipm.com/pd/765280.html/comment-page-1</a>

Magical Messages stills: Vivek Bhookya

Echo, Echo Dot, Echo Plus devices (slides 17, 21, 22, 24): <a href="http://www.thedget.com/39">http://www.thedget.com/39</a>

Alexa Voice Service icon (slides 18, 21, 22, 24): <a href="https://www.inman.com/2017/06/26/will-alexa-find-your-offices-next-top-producer/">https://www.inman.com/2017/06/26/will-alexa-find-your-offices-next-top-producer/</a>

Camera (slide 22): <a href="http://athelred.com/photography-camera-png/">http://athelred.com/photography-camera-png/</a>

# Image sources 2

AWS logo (slides 19, 21, 22, 24):

https://hackernoon.com/aws-vs-heroku-cloud-platform-comparison-for-2017-5f2194c0673e

Blue cloud (slides 21, 22, 24): <a href="https://en.wikipedia.org/wiki/File:Cloud">https://en.wikipedia.org/wiki/File:Cloud</a>, blue background.svg

## Earth (slide 22):

https://www.google.com/search?safe=active&q=world+wide+web+svg&tbm=isch&source=iu&ictx=1&tbs=simg:CAESrAIJEd
KK4AnIOhUaoAILEKjU2AQaBggVCAEICQwLELCMpwgaYApeCAMSJq8MlhewDMkB9xY5lxc9wAGPArc3-TOcKelouij\_1M
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n36uOeNpgjNQogdXKcWCPQ7MPn4%3D&sa=X&ved=0ahUKEwjpiMvl0KjaAhUI5YMKHfMgAaEQ9QEIPjAC#imgrc=qb
P-oQlLzi6RdM:

# Image sources 3

Phone (slides 22, 24): <a href="http://rosedale.chicousd.org/pictures/Remind.jpg">http://rosedale.chicousd.org/pictures/Remind.jpg</a>

Pizza (slide 22): <a href="https://www.pobarvanke.net/pobarvanke-hrana/pobarvanka-pica.html">https://www.pobarvanke.net/pobarvanke-hrana/pobarvanka-pica.html</a>

AWS Lambda (slide 24): <a href="https://pixabay.com/en/lambda-orange-greek-mathematics-39473/">https://pixabay.com/en/lambda-orange-greek-mathematics-39473/</a>

AWS SNS (slide 24): <a href="https://www.outsystems.com/forge/component/2882/amazon-sns/">https://www.outsystems.com/forge/component/2882/amazon-sns/</a>