How Nonprofits Can Take Advantage of the Internet of Things

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Hi! I'll be your guide today

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I like people and happen to work with software.

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20 Seconds about Skvare

(pronounced SQUARE)

We help others help others

- Technology Strategy
- Web Hosting
- Ongoing Support
- Mail Services

https://skvare.com

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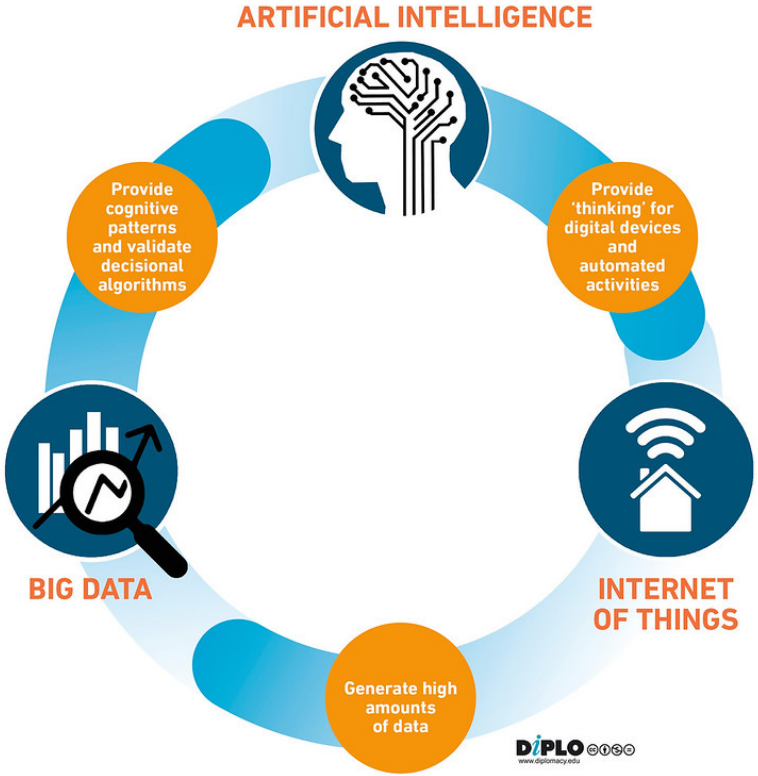
What is the Internet of Things



A system of interrelated, **internet**-connected objects that are able to collect and transfer data over a wireless network without human intervention.

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Data Collection & Security

- 2019 Research - Consumers International and the Internet Society
- Open Connectivity Foundation- https://openconnectivity.org/
- The LoRa Alliance - https://lora-alliance.org/
- Legislation - IoT Readiness Act
- UK Code of Practice
- Finland - Cybersecurity Labels for IoT devices

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What Does the Data Say?

2020 Smart Audio Report

- 20 million smart speakers were installed in U.S. households (as of Jan 2019)
- Market: Amazon (70%), Google (25%), Apple (5%).
- **52%** of users use voice tech several times a day or nearly every day, compared to 46% before the outbreak

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Alexa-enabled Donations

378 charities are registered to accept voice donations via Alexa

- FAQ to get started (register for Amazon Pay)

Alexa Skills

https://www.audubon.org/alexa

Songs & calls of 600+ North American bird species from library of 2,000+ recordings

- Alexa, ask Audubon what a Northern Cardinal sounds like."
- Alexa, ask Audubon to play call 3 of the American Robin."

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Save a Life

Providing basic CPR instruction and warning signs of a heart attack or stroke

- "Alexa, ask American Heart … what are the warning signs of a stroke?"
- "Alexa, ask American Heart…what are the warning signs of a heart attack?"

American Heart Association®

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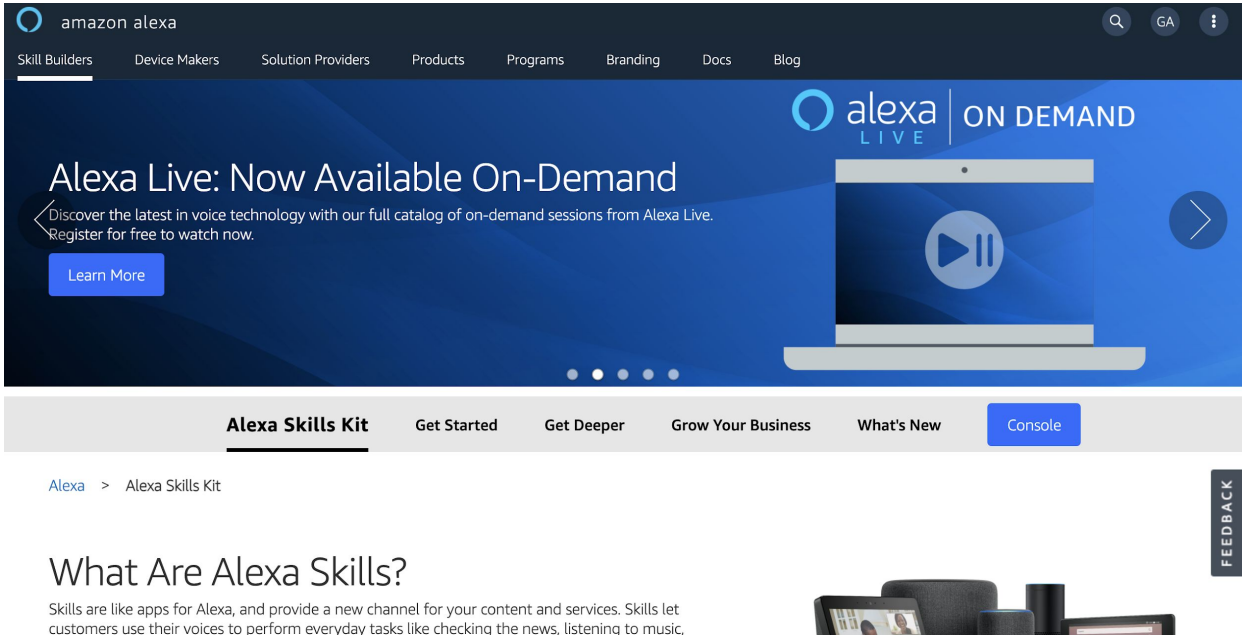
Build Your Own Skill

https://developer.amazon.com/en-US/alexa/alexa-skills-kit



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Sensor Data

Connect with donors by delivering impact.

- Working in developing countries to improve access to wells
- Sensors installed on wells show when and how much water is extracted on a specific day or over time

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Sensor Data

Dexcom G6 Continuous Glucose Monitoring

- Intervention
- Prevention
- Control
- ... Research is changing

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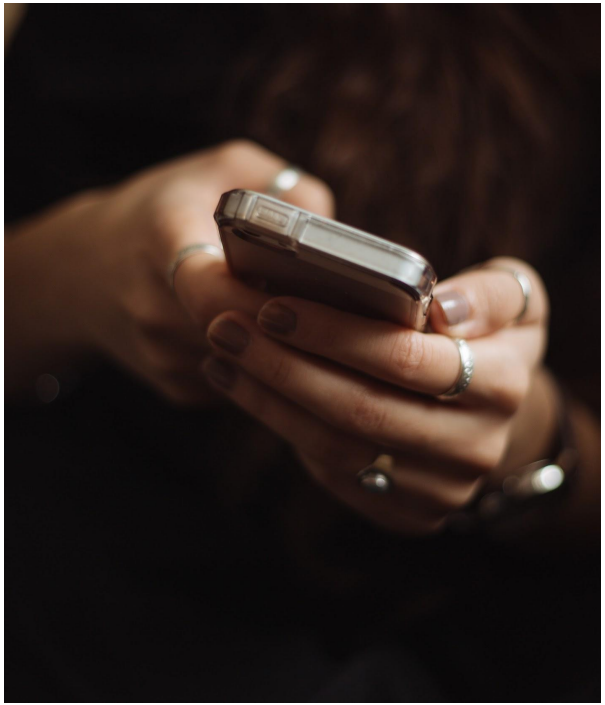
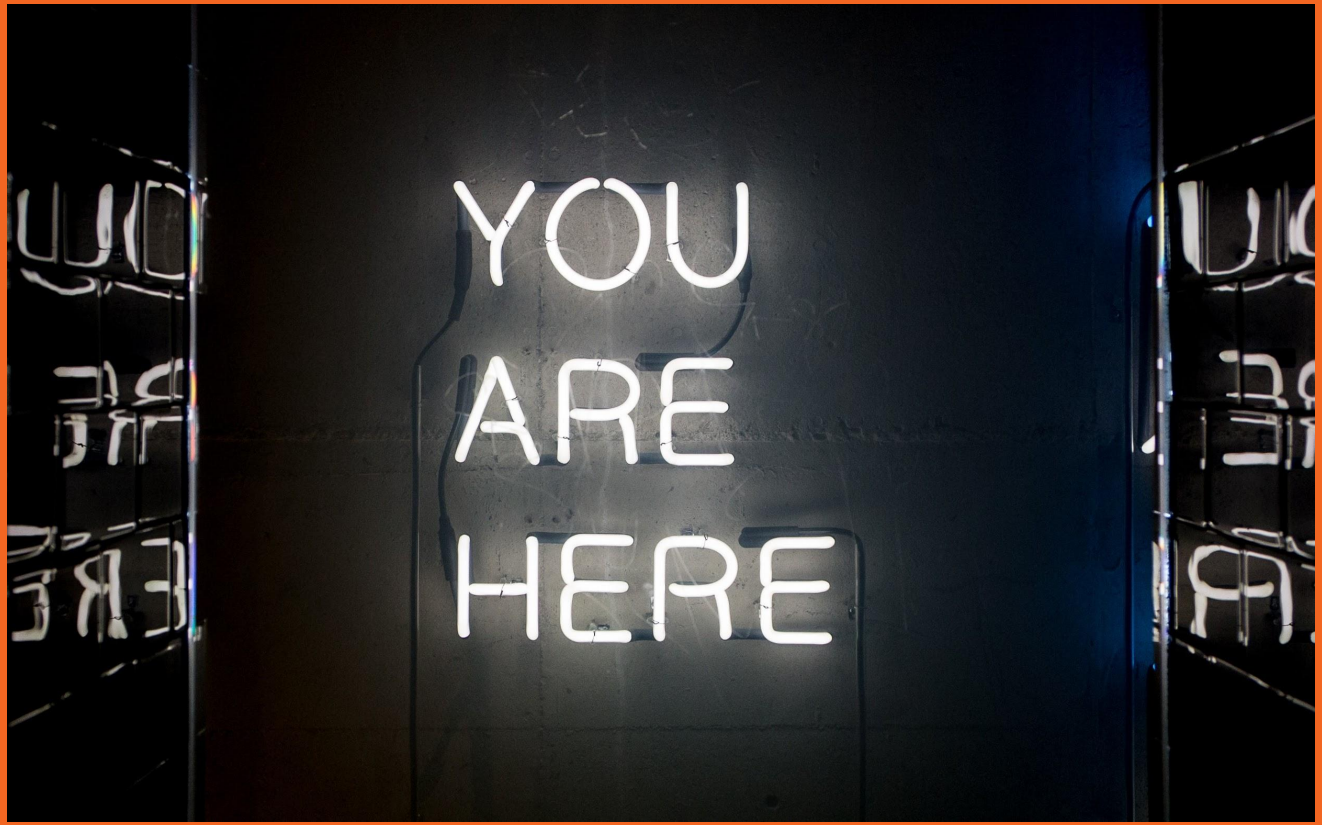
SMS



Text to....

- Donate
- Get Information
- Join In
- Advocate

https://www.wholewhale.com/tips/free-cheap-mass-texting-nonprofits/


YOU
ARE
HERE