

ADB

Creating A More Inclusive World

Aleandre Kwan

8th International Skills Forum
27–29 August 2019
Asian Development Bank, Manila, Philippines

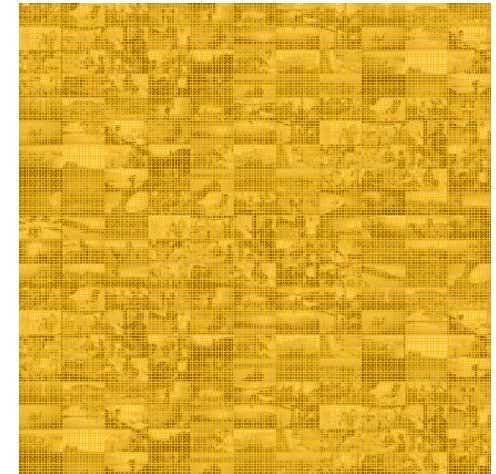
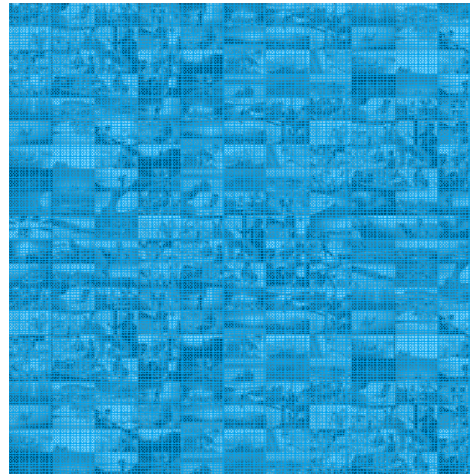
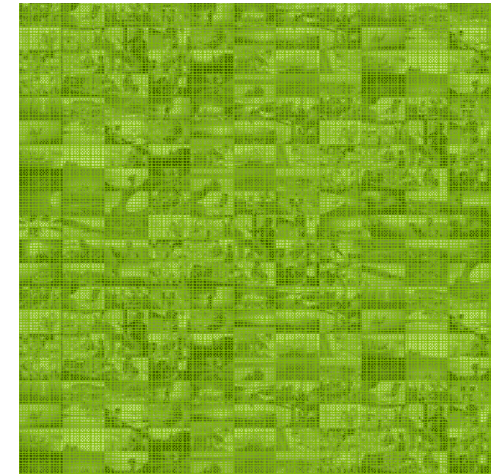
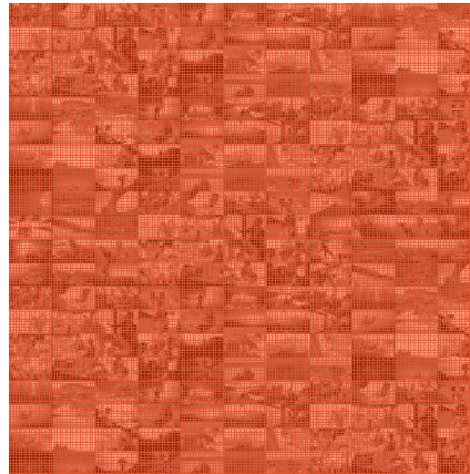
#ADBSkillsForum



How Can Technology
Enhance Inclusivity?
28 August 2019



Empower every
person and every
organization on
the planet to
achieve more





Disability



Personal
health
condition

Disability



Mismatched
human
interactions



~70% of disabilities...





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are invisible.





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Permanent



Temporary



Situational





Over 1 billion people
with disabilities.





Microsoft Inclusion is

A commitment to accessible technology for everyone



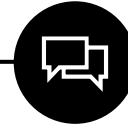
Our culture

Diverse
Growth mindset
Designing inclusively



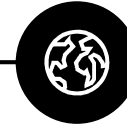
Accessible and accountable

Transparency
Compliance
Partnerships



Inclusive interactions

Consume
Communicate
Create



Investing in the future

Intelligent experiences
Contextual synergy
Independence



Microsoft IncludEd Tools



PowerPoint
Translator



OneNote
Learning
Tools



Seeing
AI



Accessibility
Settings



Accessibility
Checker



Tactile
Learning



Speech
Assistant



Soundscape

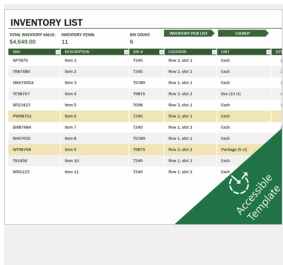
Check out more resources at
Microsoft.com/Accessibility




Accessibility Checker

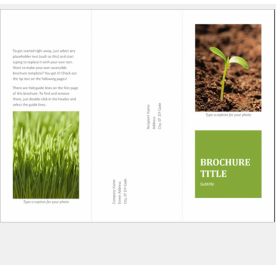
Check your Office content for all learners

- Finds accessibility issues in your Word documents, Excel spreadsheets, Outlook emails, and PowerPoint presentations
- Generate a report of issues that could make your content difficult for people with disabilities to understand & solutions to fix them
- Access templates that include accessibility guides to build content for all learners




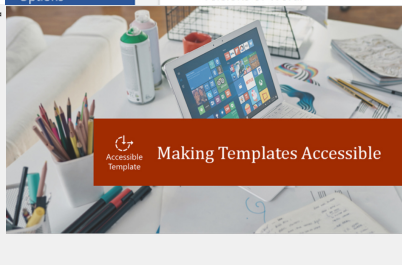
Inventory List accessibility guide
Provided by: [Microsoft Corporation](#)
Make your own accessible Inventory List or use as a guide to create new templates usable by people who are blind or have low vision. Additional information at the end helps you learn accessibility requirements for links, conditional formats, and icon sets. To use the template, remove the instruction tabs and customize with your information.
Download size: 158 KB






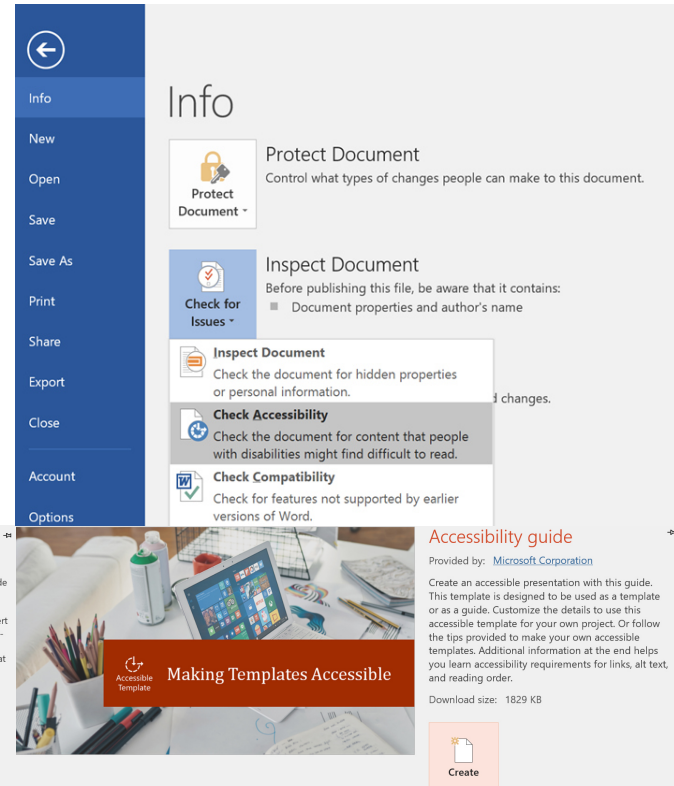
Brochure accessibility guide
Provided by: [Microsoft Corporation](#)
Make your own accessible Brochure or use as a guide to create new templates fully accessible to people who are blind or have low vision. Customize the template with information about your business. Insert your company logo, your own photos, and use built-in themes to change the colors to get the polished, professional look you want. Additional information at the end helps you understand how to keep the template accessible.
Download size: 3926 KB





Accessibility guide
Provided by: [Microsoft Corporation](#)
Create an accessible presentation with this guide. This template is designed to be used as a template or as a guide. Customize the details to use this accessible template for your own project. Or follow the tips provided to make your own accessible templates. Additional information at the end helps you learn accessibility requirements for links, alt text, and reading order.
Download size: 1829 KB





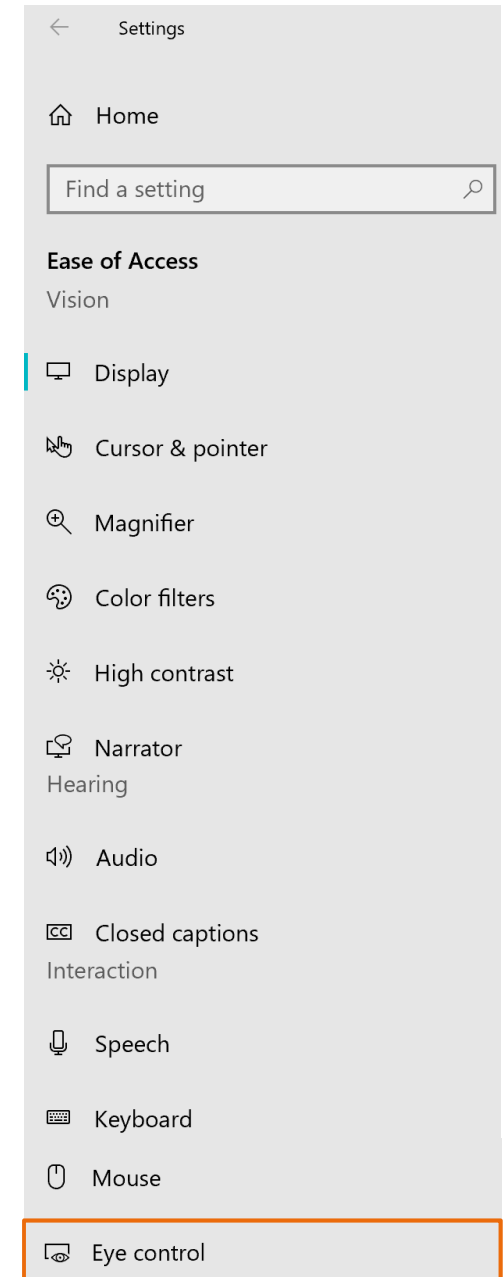
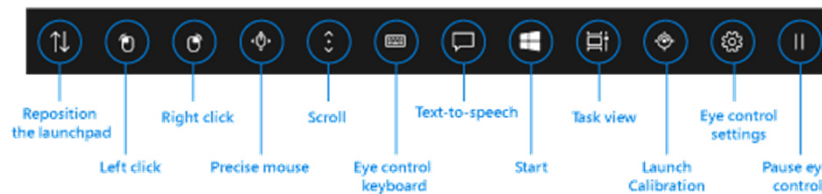
The screenshot shows the Microsoft Office 'Info' pane. On the left, a sidebar contains buttons for 'Info', 'New', 'Open', 'Save', 'Save As', 'Print', 'Share', 'Export', 'Close', 'Account', and 'Options'. The main area is titled 'Info' and contains three sections: 'Protect Document' (Control what types of changes people can make to this document), 'Inspect Document' (Before publishing this file, be aware that it contains: Document properties and author's name), and 'Check for Issues' (a button). Below the 'Check for Issues' button, three options are listed: 'Inspect Document' (Check the document for hidden properties or personal information), 'Check Accessibility' (Check the document for content that people with disabilities might find difficult to read), and 'Check Compatibility' (Check for features not supported by earlier versions of Word).



Accessibility Settings

Zoom, hear, & simplify in Windows

Windows 10 includes multiple settings to assist with Vision, Hearing, and Interaction needs



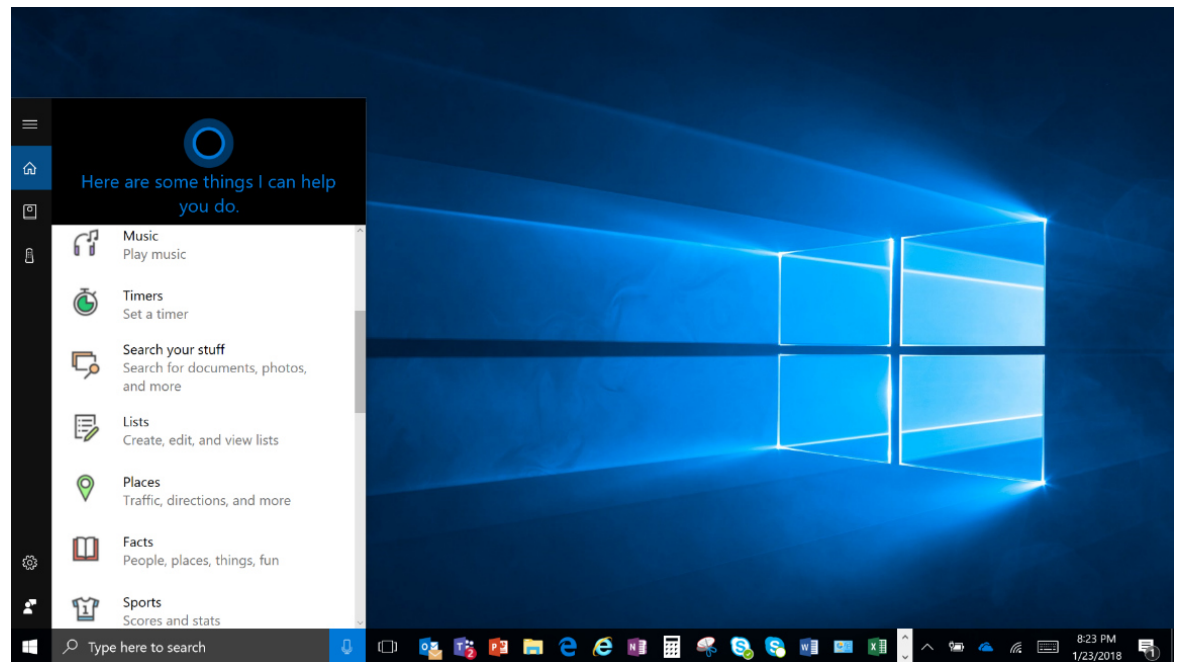


Speech Assistant



Cortana is your digital assistant. She'll help you get things done, such as setting reminders, opening apps, finding facts, and sending emails and texts.

The more you use Cortana, the more personalized your experience will be.





PowerPoint Translator

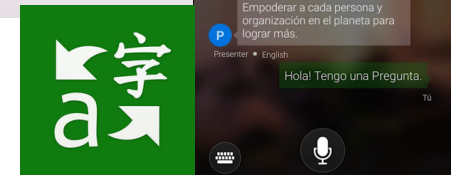
Real time translation & subtitles

Break down the language barrier!

- Live subtitling in more than 60 languages
- Interactive audience experience
- Multi language Q&A
- Customized speech recognition
- Translate and save presentations while preserving the format
- Extensions in Edge or Outlook

The screenshot shows the Microsoft Translator interface. At the top, there are settings for 'Always Use Subtitles' (unchecked), 'Always present with subtitles' (unchecked), and 'Translate Slides'. Below these are 'Subtitle Settings' and 'Start Subtitles'. The main area displays a presentation slide with a bar chart and a speaker saying 'Hello'. To the right, text reads: 'Follow along with this presentation **in your language** on the Microsoft Translator app or on any web browser.' Below this is the URL www.translate.it/HKQWE. At the bottom, a disclaimer states: 'Microsoft Translator is powered by machine learning. Any voice or text information you provide will be used to improve Microsoft products and services.'

translator.microsoft.com





OneNote Learning Tools

Improve communication, reading, writing, and math

- Free and simple to use
- Improve comprehension
- Encourage independent reading

Feature	Proven Benefit
Enhanced dictation	Improves authoring text
Focus mode	Sustains attention and improves reading speed
Immersive reading	Improves comprehension and sustains attention
Font spacing and short lines	Improve reading speed by addressing "visual crowding"
Parts of speech	Supports instruction and improves writing quality
Syllabification	Improves word recognition
Comprehension mode	Improves comprehension by an average of 10%

aka.ms/IncludEdFieldKit



Tactile Learning

Code Jumper

- Physical, tactile programming language
- Users: kids under 10 with visual impairments or other challenges such as dyslexia and autism



codejumper.com



Seeing AI

Narrate the world around you



Complete multiple tasks with one app

Switch between channels to tune the description of what's in front of the camera



Short Text

Speaks text as soon as it appears in front of the camera



Documents

Provide Audio guidance to capture a printed page and recognizes the text and original formatting



Products

Gives audio beeps to help locate barcodes and then scans them to identify products



Person

Recognize friends and describes people around you, including their emotions



Scene

A feature to describe the scene around you



Currency

Identify currency bills when paying with cash



Light

Generate an audible tone corresponding to the brightness in your surroundings



Color

Describes the perceived color



Handwriting

Reads hand written text

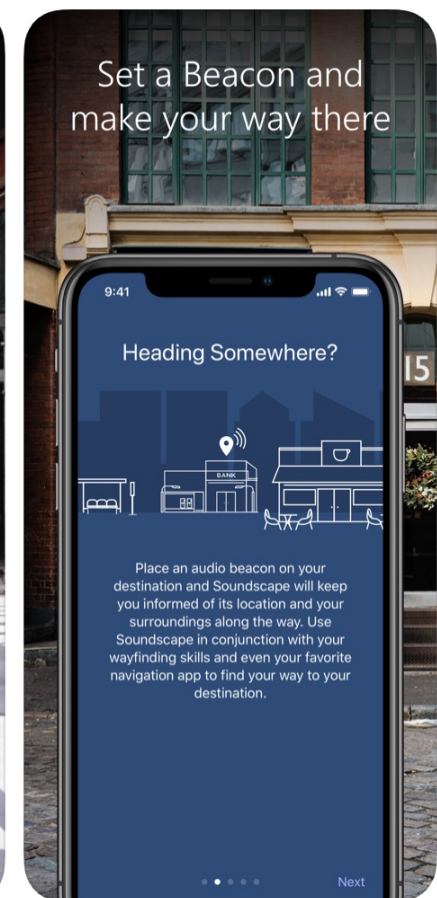
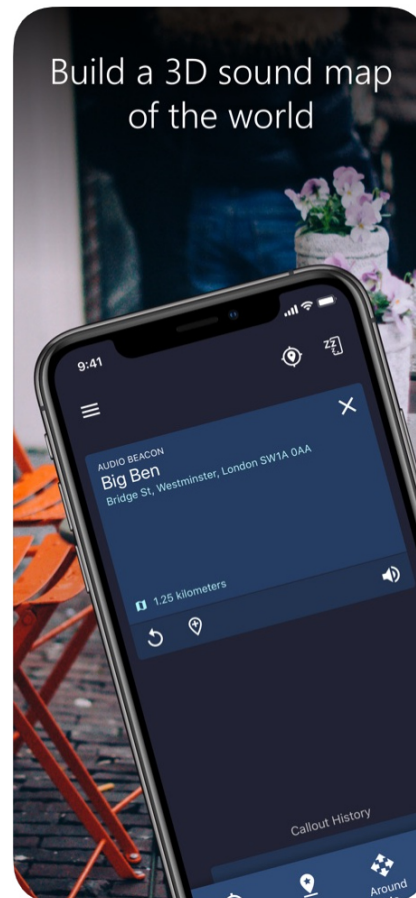


Soundscape

A map delivered in 3D sound



- Spatial audio
- Audio beacon set to a destination
- Locate, Around Me, and Ahead of Me to build a picture of what's around you
- Wayfinding
- OpenStreetMap





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Microsoft's AI for Accessibility program, a 5-year, \$25 million commitment to amplifying human capability for people with disabilities

Speech
recognition

Image recognition

Natural language interaction

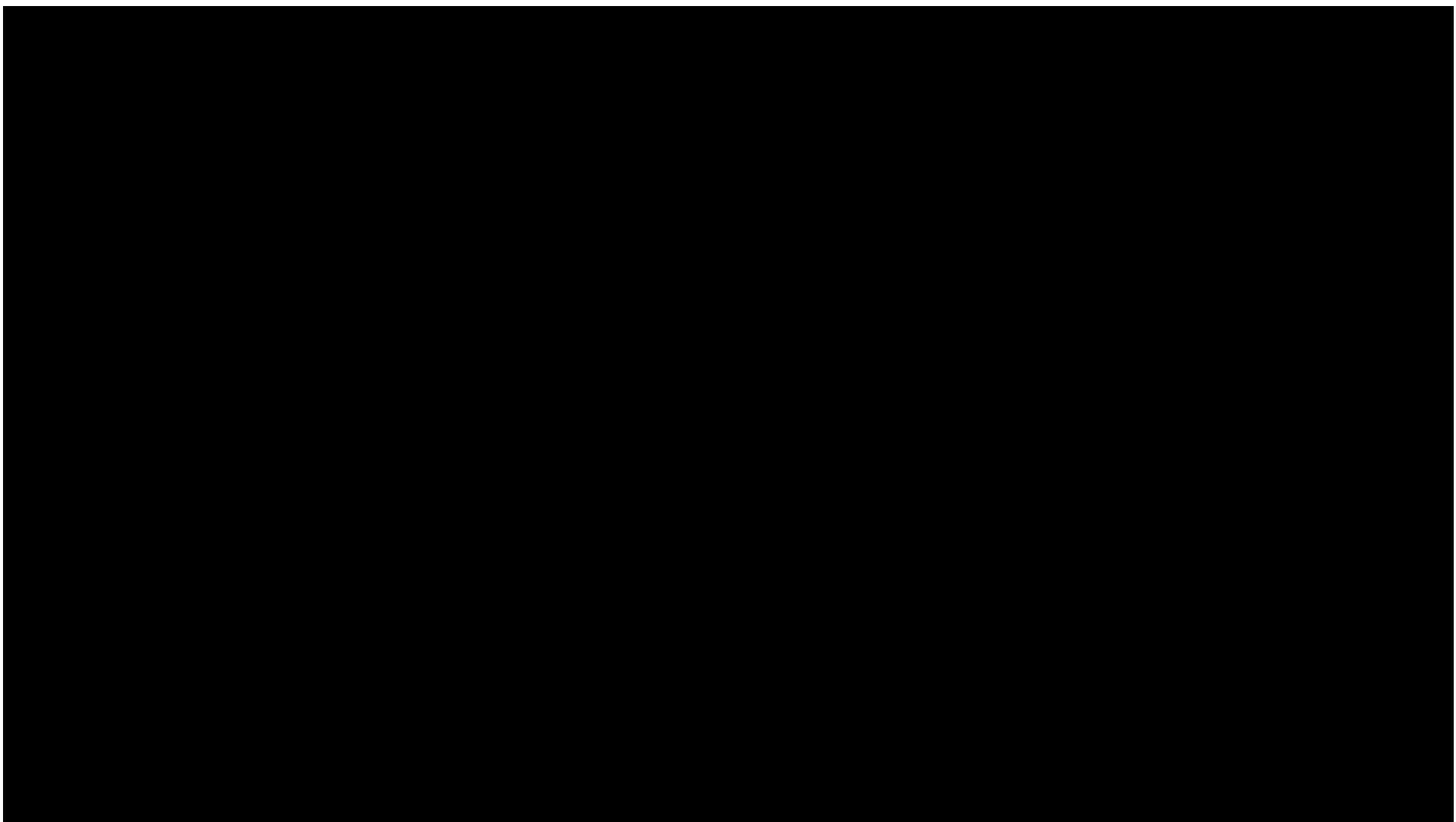
microsoft.com/aiforgood

Thank you!

To learn more:

Email: a-alkwan@microsoft.com

Visit: microsoft.com/philanthropies





I've been interested in the different aspects of technology