

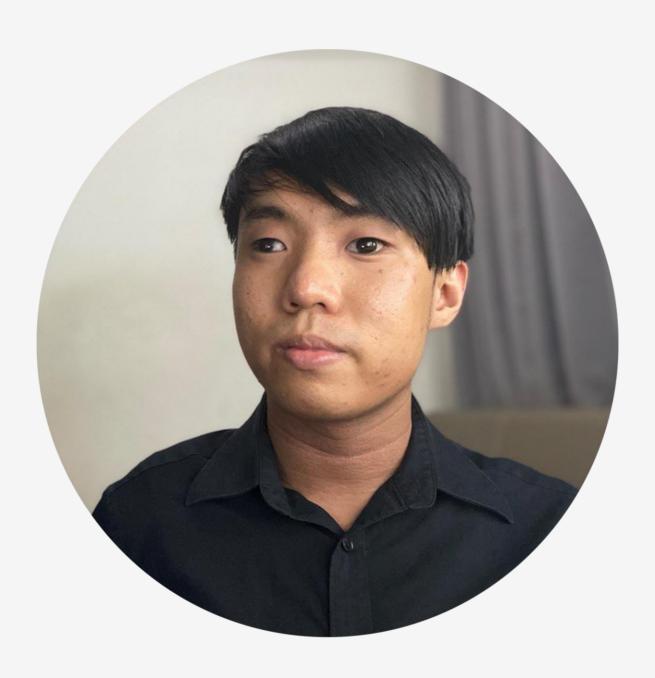
Humans of IT

Technology by and for everyone, accessibility and inclusivity

By Daiana Beitler, Microsoft Philanthropies Director, Asia Joshua Tseng, Empire Code R&D



HELLO WORLD



Joshua Tseng
Accessibility advocate and speaker
Curriculum associate, Empire Code

Twitter: @ThisIsJoshTseng

LinkedIn: www.linkedin.com/in/joshtseng

EMPIRE CODE



Image credit: Empire Code

LET'S TALK ABOUT

My personal journey:

- Losing my eyesight
- My path to higher education
- How on earth can a blind person code?

Accessibility

- What is accessibility?
- Why should you care about it?
- What we can do moving forward

SEE FROM MY VIEW

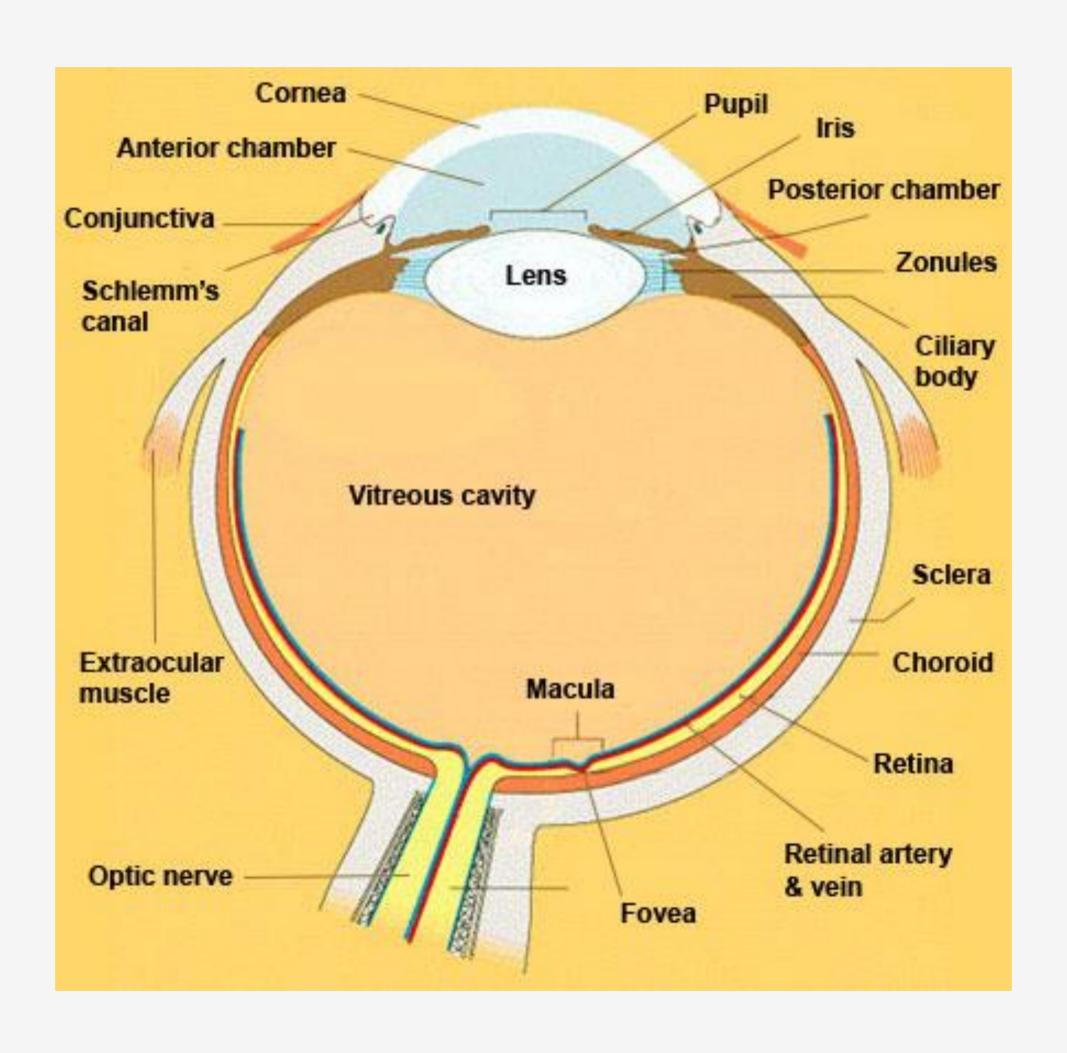


Image credit: The Eyes Have It

WHAT IT LOOKS LIKE

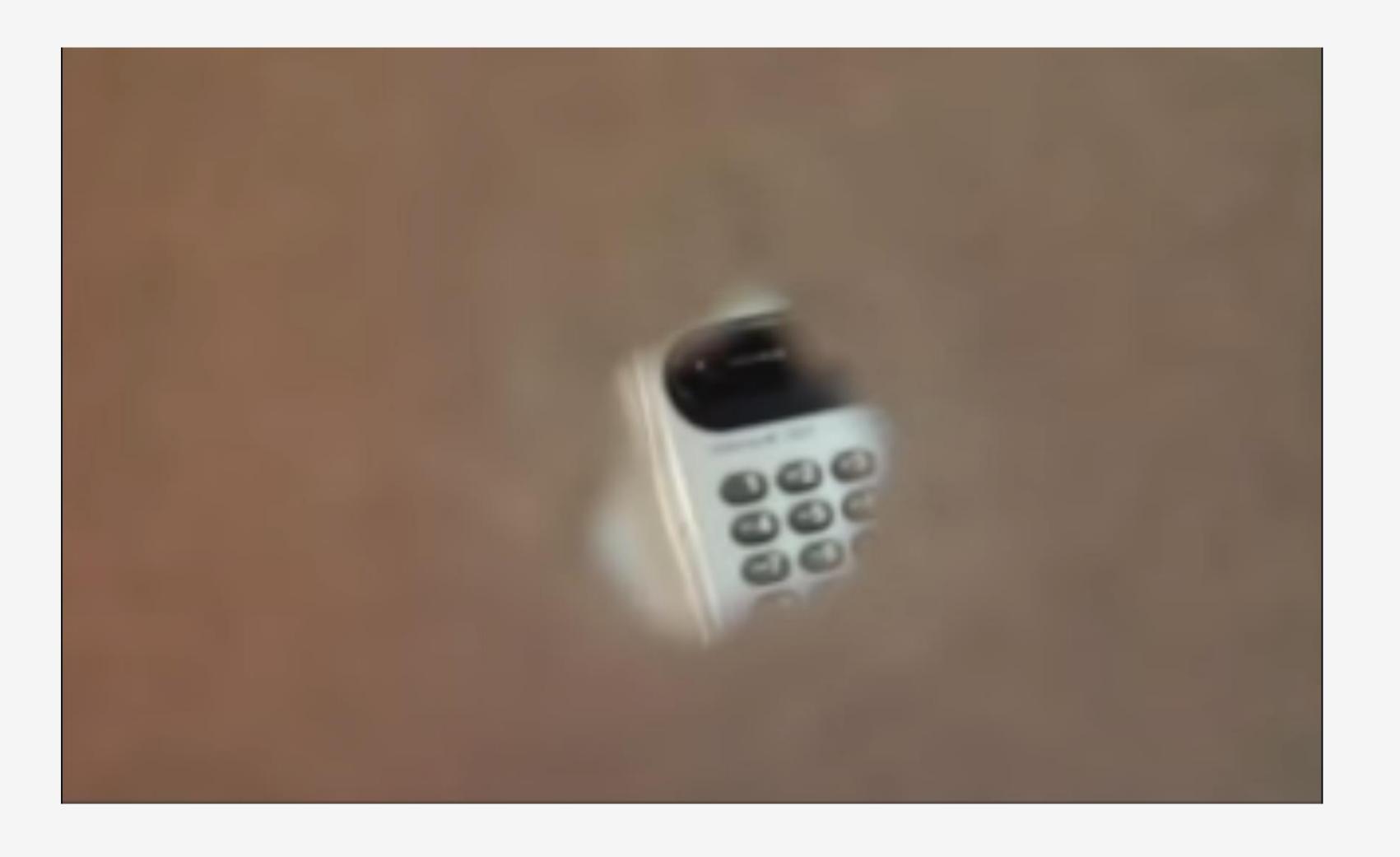
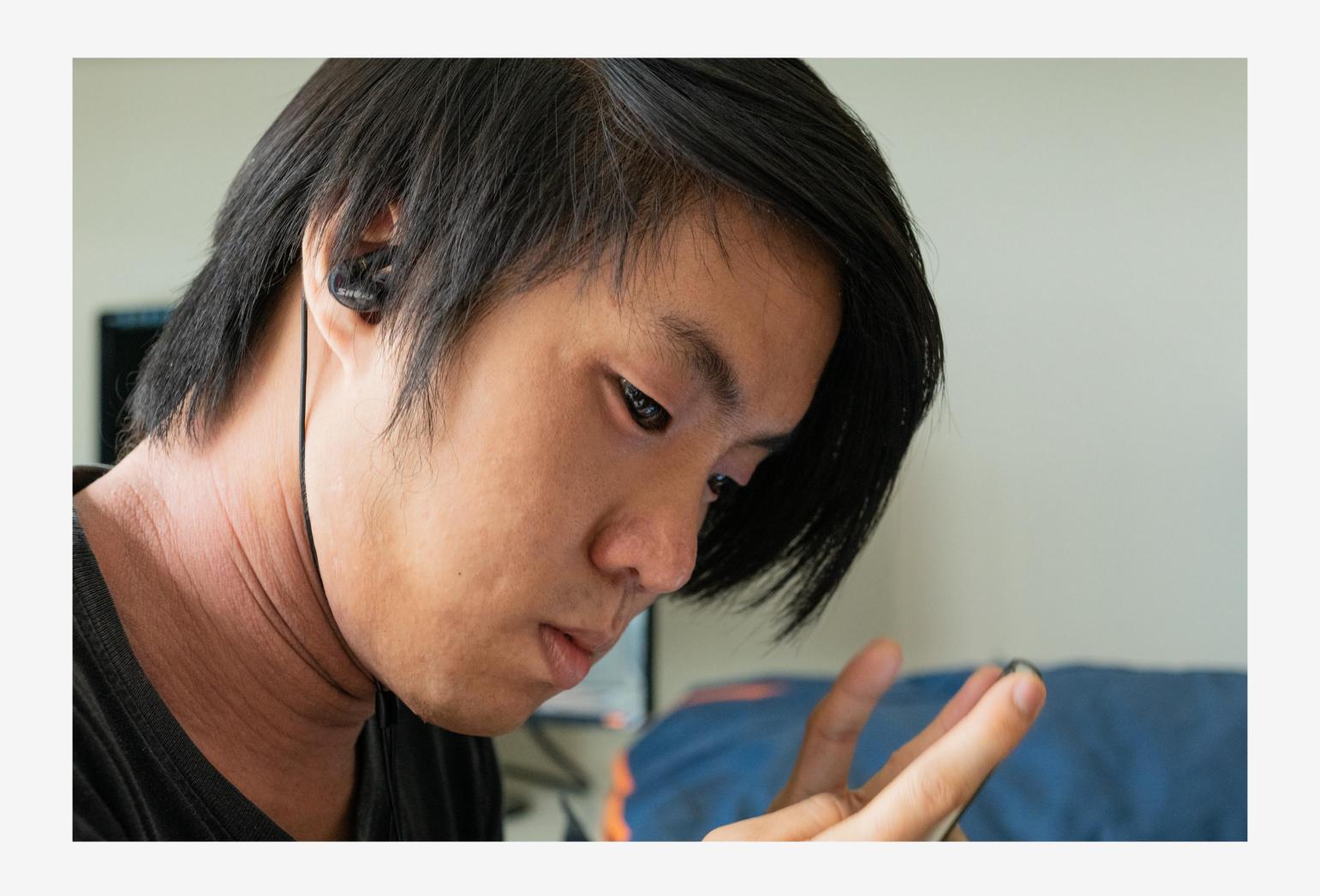


Image credit: The American Foundation for the Blind

WHAT I USE EVERYDAY



LOSING SIGHT OF WHAT'S IMPORTANT

"Accept what you cannot change. Change what you cannot accept."

Focus on what you can do

FINDING A PATH







School of Information Systems

WHY ARE WE HERE?

Understand: first step to establish empathy

Discover: how can we make the world more inclusive

Act: learn about what you can do today

THE CASE FOR ACCESSIBILITY

Some reasons for inclusive design:

- Equal access and opportunity
- The Internet: a utility for everyone, not a privilege
- Good business and software practice: no need to build it twice
- Legal requirement

INACCESSIBLE DESIGN

Some examples:

- Sharing poster image to promote event (no text content)
- No sign language interpreter for large-scale events
- Complicated touch gestures on mobile devices

WHAT CAN YOU DO?

Ask yourself if you are a...

- Producer: Who can't use my creation and why?
- Consumer: Is what I'm using unusable to someone else?
- Leader: Who is being excluded and why?
- Team Player: Are my actions creating barriers for inclusion of others?

WHAT CAN THE BLIND DO?

Learn to help yourself before others can help you

Example: How I learned to code

Step 1: What do I want to accomplish?

Step 2: What does everyone do to achieve it?

Step 3: Try it. Was it possible?

Step 4: What obstacles did I encounter?

Step 5: What can I not live without?

Step 6: Find another way (if need be)

OUTCOME

This is the process I used:

- To find the right code editors and tools
- To find the most accessible, easy-to-read tutorial sites
- To work with new team mates
- To tackle new courses

WHAT WE'VE LEARNT

Better understanding of the vision impaired
When life gives you lemons, you make lemonade
How accessibility is a two-way process

