

# Usable Security & Privacy

Presented by WiCyS &  
WCS Explorations



# What should we be thinking about?

- ✓ How can we improve the accessibility of today's online world?
- ✓ If something isn't inclusive, transparent, secure, etc. - how can we prove it?
  - How can we prove it without violating privacy in the process?



“What does privacy look like to you?”

Make a new page at

<https://go.illinoiswcs.org/Usabl>

[eSec-jamboard](#) and draw for

five minutes!

Optional: add a text caption!



# Why is accessibility important?

- ✓ Everyone has the right to equal access to technology
- ✓ Privacy and security solutions are increasingly necessary, so they must also be accessible
- ✓ Technology alone will not solve all privacy and security problems
- ✓ It's the law!



# Privacy Dark Patterns

- ✓ What are dark patterns?  
<https://www.darkpatterns.org/>
- ✓ Data gathering & unread terms and conditions
  - Terms and conditions say they have the right to sell your data to third parties
- ✓ Wording and pop-ups for disclosures can be misleading
  - Friend spam



# Discussion Time!



# Prompt 1: Proctoring Software

- ✓ Do you like using proctoring software in your coursework? Why or why not?
- ✓ Are there any aspects of proctoring software which unfairly disadvantage certain students?
- ✓ How would you design a reasonable way for students to opt out of proctoring software data collection?
- ✓ What form of proctoring would you find least obtrusive?



# Proctoring Software: Some considerations

- ✓ Facial recognition in Proctorio is likely to disadvantage some students due to discriminatory algorithms  
<https://tinyurl.com/proctorio-ethics>
- ✓ Not having your own room when taking an exam
- ✓ Poor internet connection
- ✓ What happens to the data after the exam? Where is it stored?





# Prompt 2: Smart Speakers

- ✓ Where do you use smart speakers?
- ✓ What benefits do smart speakers provide?
- ✓ Are there any places you may be concerned about? Any other general concerns?



# Smart Speakers: Some considerations

- ✓ Voice interface could be highly convenient for everyone
- ✓ Misinterpretation could execute malicious commands
  - Skill squatting <https://tinyurl.com/skill-squat>
- ✓ Could misinterpret certain people, accents, dialects more than others
- ✓ Where is the data being stored & processed?



# Attendance Time!

WCS points!

<http://points.illinoiswcs.org/>

Event name:

Usable Security  
and Privacy

Point code: **zmxl3f**



# Stay connected!

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