



Morning Chat

Ashley Vo, Minh Pham - ProperData Workshop -
Summer 2023

WHO WE ARE



Ashley Vo

- **Major:** Computer Science
- Orange Coast College
- **Goals:** Software development or data analytics

Minh Pham

Aspiring Physician-Scientist/Attorney
Education: Santa Ana College/Santiago Canyon College
Goal: Fight against data disaggregation for underserved community in medicine and laws



Amazon has knowingly kept and used children's geographical and voice recording data from Alexa devices for training purposes without deleting them.

(Federal Trade Commission, 2023)

OUR GOALS



- Privacy and data collection
- Educating others

ALEXA vs. MYCROFT



Alexa

- Amazon's voice assistant
- Less secure
- Interacts with cloud-based services

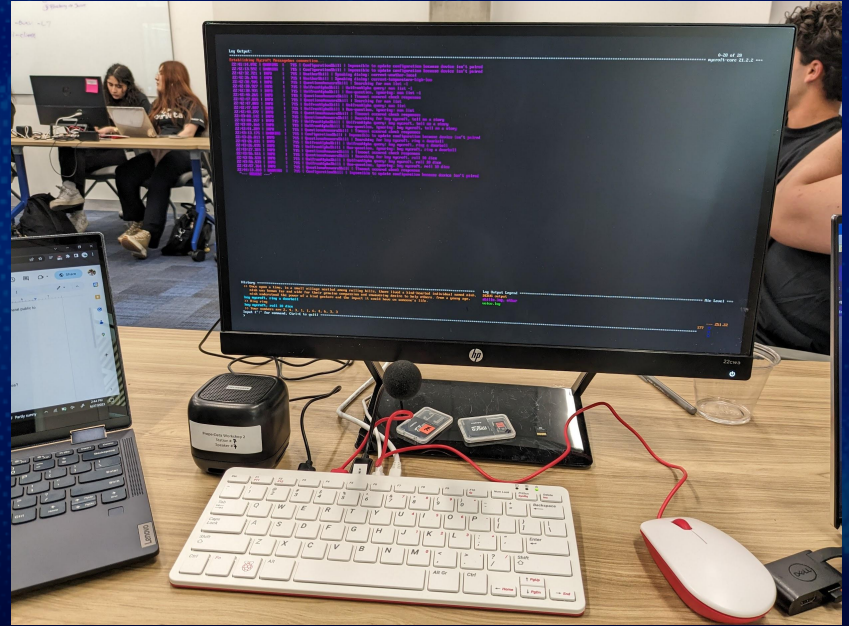


Mycroft

- Open-source virtual assistant
- More secure
- Interacts with local network

BUILDING MYCROFT

- Set-up
- Installation and skills
- Troubleshooting



CHALLENGES WE FACED

- Errors with MyCroft → Reinstallations
- Mic and speaker issues → Audio troubleshooting
- What if we had more time?

WHAT WE WOULD ADDRESS



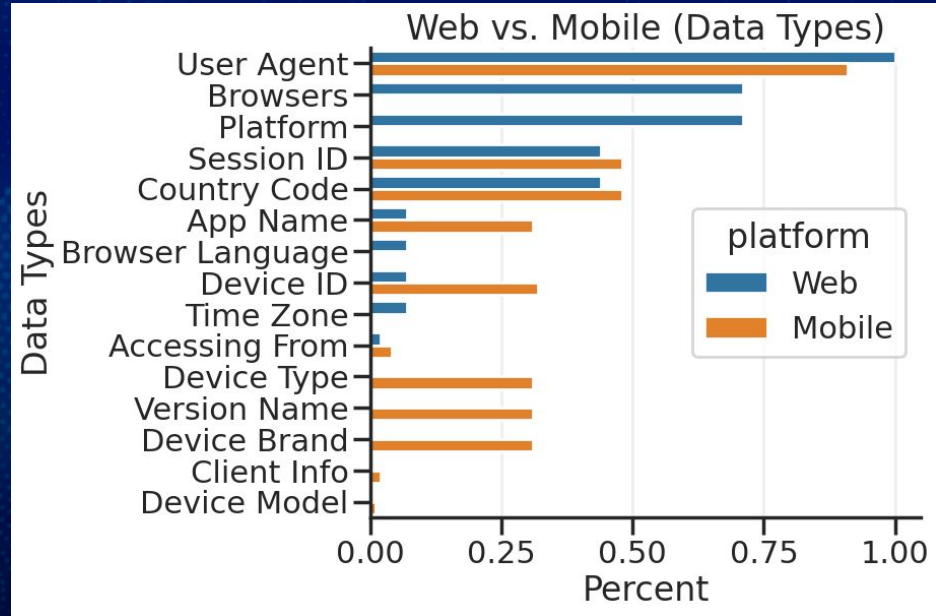
Sedentary lifestyle



Mental health
challenges

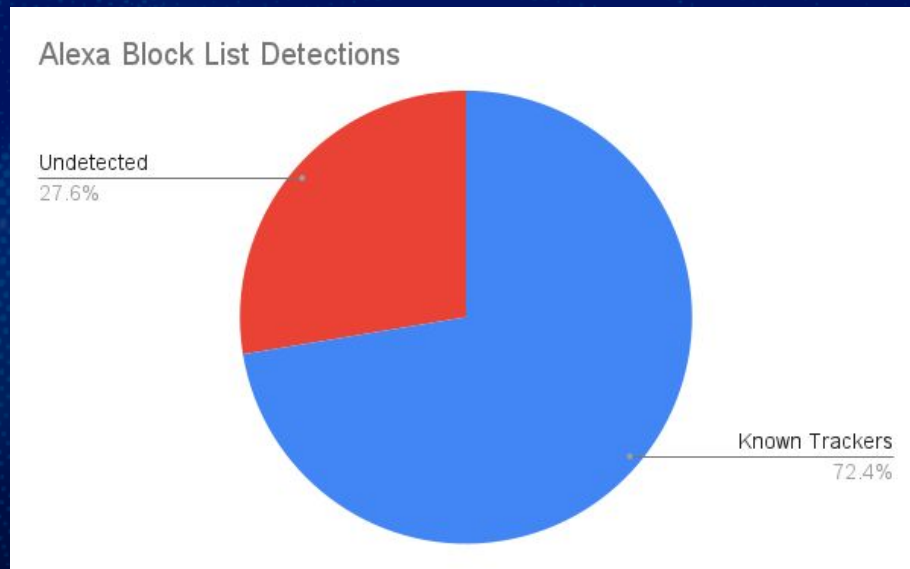
TIKTOK EXPERIENCE

- Experiments with the personalization algorithm
 - Liking, bookmarking, commenting
- TikTok network traffic



ALEXA EXPERIENCE

- Analyzed 105 packets
- ~72% were trackers
- ~28% were non-trackers



OVERALL EXPERIENCE

- Learned skills:
 - Raspberry Pi and troubleshooting
 - Working with command line
 - Computer networking and tracking
 - Improved group collaboration and presentation development
- Favorite Parts:
 - Hands on experience with Mycroft
 - Transfer workshop
 - Graduate students panel



ACKNOWLEDGEMENTS



The ProperData Team
Dr. Athina Markopoulou
Hieu Van Le
Ernest Garrison
Rahmadi Trimananda
Alison Iversen
Marilyne Tamayo

THANK YOU

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MINH:



ASHLEY:



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