PROPER DATA GROUP 1

FRIDAY’s Daddy Mark V
Tony Liu, Gregory Sinaga
BEFORE THIS WORKSHOP
Expectations and Prior Experience

- **Expectation**: learn to use Raspberry Pi.
- **Prior experiences**:
  - **Tony**
    - PiHole, Shairport, PiVPN (WireGuard)
  - **Greg**
    - PiHole, Wake On LAN
EXPERIENCE DURING THIS WORKSHOP
MYCROFT - SMART HOME
EXPERIENCE - MYCROFT REVISIONS

I. J.O.C.A.S.T.A.
   - Root access breaking shell installation script

II. T.A.D.A.S.H.I.
   - Mycroft Youtube integration skill broke mycroft-core

III. K.A.R.E.N.
   - Picroft OS
   - No audio
   - Setup-wizard
   - Speaker-test
EXPERIENCE - MYCROFT REVISIONS PT. 2

- J.A.R.V.I.S.
  - Legacy Lite OS unsupported for Raspotify
  - Spotify Integration working

- F.R.I.D.A.Y.
  - Fully working Spotify Player and speaker

- E.D.I.T.H.
  - FUTURE: Working YouTube Player and other smart home integrations
Our Alexa had the following skills:

- Date Night
- Surprise Your Loved One
- Angry Girlfriend
- Dating and Relationship Tips and Advices
- Love Trouble

- Compared Mycroft and Alexa pcaps
- Tshark to capture Mycroft packets
- Observed influence of skill interactions on advertisements
WHAT WE LEARNED
CONCLUSION

Subverted expectations

- Flash OS images extensively.
- Comfortable with Linux and use of debugging.
- Browser and voice assistant automation.
- Jupyter for data collection and analysis.
SPOTIFY SPEAKER DEMO
Thank you
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