

USRA Summer Weekly Meeting

Data Generation

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DALHOUSIE
UNIVERSITY

Environment:

- Android Virtual Devices (Genymotion, WSA)
- Androiddump (Fiddler, TCPdump)

Tools:

- Powershell Scripts (TikTok)
- HTML/JavaScript (Browsering)
- Dataset from kaggle (Google Drive)

Result:

- TikTok: 1 hour, 41k packets
- Browsering: 22 mins, 24k packets
- Google Drive: 44 mins, 925k packets



Improvements

Browsing:

- Problem: the environment will crash (memory)
- Solution: write a native app using Java/Kotlin

Google Drive:

- Problem:
 - Cannot upload large size file (memory*)
 - The app will crash
 - Cannot large volume of files
- Solution: improve system specs/ change data set

