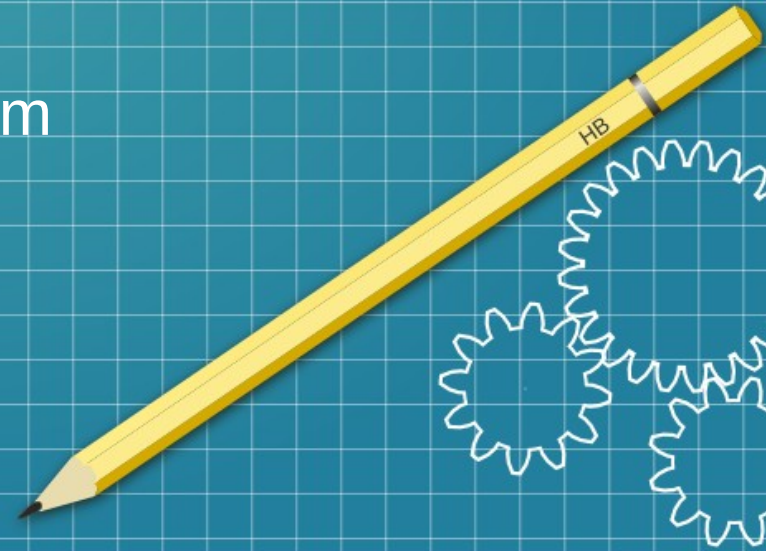


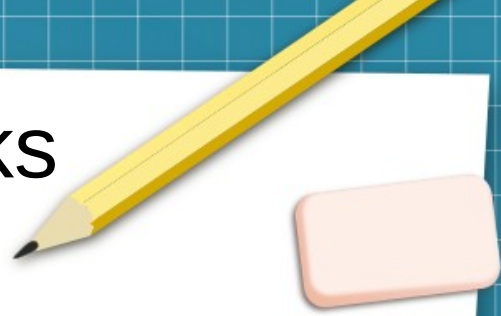
BornHack subtitles

Emil Petersen / Hafnium
2024-07-21



Creating more accessible talks

- Subtitles are great for
 - Hard of hearing people
 - Follow along in loud environments / with sound muted video



How?



1) Collect talks via media.ccc.de RSS feed:

```
[user@host ~]$ ./collect_talks.sh
```

```
https://media.ccc.de/c/bornhack2023/podcast/mp4-hq.xml
```

2) Raw transcription with OpenAI Whisper: ASR_subtitles

```
1) [user@host ~]$ source venv/bin/activate
```

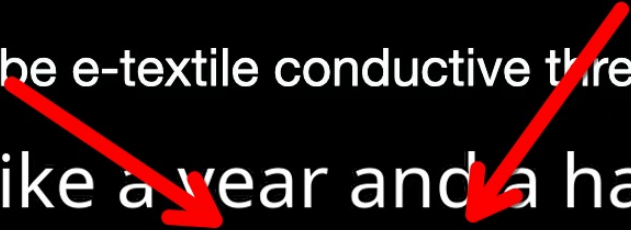
```
2) [user@host ~]$ time python app.py --video videos/ --model large
```

3) Proof reading: human

4) Quality check: human

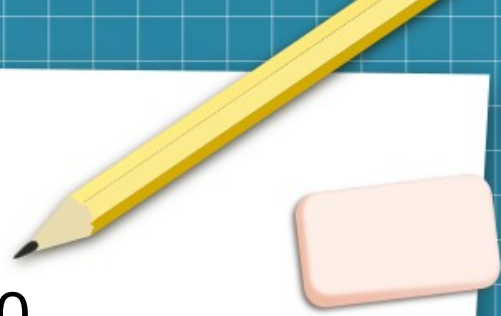
Badge features

specifications

- RP2040 dual core ARM M0+ by RaspberryPi
 - 16MB QuadSPI flash for code and media files
 - Color screen, with 128x160 pixels controlled via SPI
 - 4 buttons
 - Qwiic/StemmaQT connector
 - SAO v.1.69bis connector
 - I/O for hacking with alligator clips or maybe e-textile conductive thread
 - SMD prototyping area
 - Mounting holes for add-on board
- made by Raspberry Pi like a year and a half ago, it has 16 megabytes of SPI flash and
- 

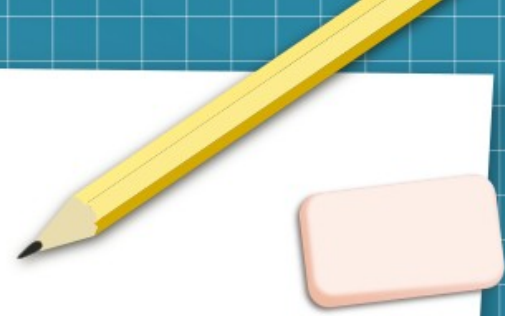
A few stats

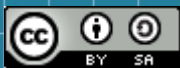
- Whisper large model v3 with a NVIDIA GTX A4000
 - BornHack 2021: 3 hours and 49 minutes
 - 26 talks
 - BornHack 2022: 4 hours and 2 minutes
 - 31 talks
 - BornHack 2023: 2 hours and 50 minutes
 - 16 talks



Contribute?

- Proof reading and quality checkers needed
- Repository at: codeberg.org/hafnium/bornHackSubs





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