

DPRG RBNV Chat Record – June 6, 2023

Carl Ott

7:43 PM

~7:41pm - Pat shared progress to get Raspi running on a 64 bit kernel.

Pat Caron

7:46 PM

<https://github.com/raspberrypi/firmware/issues/1795>

Carl Ott

7:46 PM

after much trial and error - managed to get things to run - shared the final piece of puzzle required to get it to run.

Carl Ott

7:47 PM

this allowed him to get Arducam finally running on Bullseye.

You

7:48 PM

Pat found that you need aarch64=0 in the config.txt file to run the 32-bit kernel on Rpi4.

You

8:05 PM

Doug D gets ★ for robot progress.

Carl Ott

8:05 PM

~8:02pm Doug D showed progress with his steampunk robotic dog - looks like a trunk. Assembly is progressing nicely - showed motors turning... Reminds some of Terry Prichard's disk world book where the baggage is a chest that walks around on its own.

BLACK STAR for Doug.

Harold Pulcher

8:12 PM

4th of July eats at Improving.... I am buying.... so to speak: <https://forms.office.com/r/AUWEkGViyN> (11AM to 2PM)

Ponder SomeMore

8:16 PM

https://en.wikipedia.org/wiki/Colossus:_The_Forbin_Project

Harold Pulcher

8:17 PM

thanks @ponder

Carl Ott

8:24 PM

~8:06pm Carl shared 4 items • A possible explanation for why Google documentation and processes often send users in circles • A 3 part quiz - "Fact or Fiction – AI Edition" • 1) Air Force simulation reveals that an AI drone would destroy it's operator if it needed to maximize it's mission score - <https://arstechnica.com/information-technology/2023/06/air-force-denies-running-simulation-where-ai-drone-killed-its-operator/> • 2) Google Bard explained how to make the Google Play Console do something specific. The only trouble was that it apparently gave instructions for a forthcoming feature – not something that is available today • 3) Conventional Wisdom says that you should always check if your car is in the middle of a software update before you get inside – otherwise you might get trapped inside your car and break the window when using the car's emergency door release... o <https://www.reddit.com/r/TeslaLounge/comm>

o

https://www.reddit.com/r/TeslaLounge/comments/ysym9g/note_to_self_dont_open_the_door_during_an_update/?utm_source=share&utm_medium=ios_app&utm_name=ioscss&utm_content=2&utm_term=1 o

https://www.reddit.com/r/TeslaModelY/comments/13mom02/window_broke_after_not_returning_during_over_the/

3 perfectly reasonable rules to live by: 1. Don't run with scissors 1. Look both ways before crossing the road 1.

Always check to see if your car is doing a software update BEFORE you climb in and shut the door only to discover

the hard way that you're trapped inside and using the emergency release to escape can break the glass

Carl Ott

8:27 PM

~8:23pm - Discussion raised on using Docker on R-Pi - potential solution to issues Pat raised at the top of the meeting...

Ponder SomeMore

8:41 PM

<https://stackoverflow.com/questions/50974960/whats-the-difference-between-docker-and-python-virtualenv>

Pat Caron

8:41 PM

<https://raspberrypi-guide.github.io/programming/create-python-virtual-environment>

Raspberry Pi venv setup

Carl Ott

9:02 PM

~9:02pm Ray reviewed more on the MaxSense Time of Flight sensor with a 100x100 array.

Carl Ott

9:11 PM

~9:10pm - Mike W figured out that a certain beer festival mug is a great container for an IMU - an Arduino Nano BLE (with built-in IMU) mounted on foam.

Carl Ott

9:17 PM

Discussion continued about IMU ideas - e.g., AdaFruit has a good set of IMU related algorithms and code examples.

Carl Ott

9:20 PM

~9:20pm - Pat shared actual progress with ArduCam.

Carl Ott

9:34 PM

Reminder from Harold for people that came after: This is a legitimate invite: 4th of July eats at Improving.... I am buying.... so to speak: <https://forms.office.com/r/AUWEkGVtYN>

Ponder SomeMore

9:37 PM

what is "improving"?

Carl Ott

9:37 PM

Improving Enterprises - where Harold works

Carl Ott

9:38 PM

Seems like a great place to work - sponsor lots of techie meetups - Harold is a great ambassador:

<https://improving.com/>