

Grassroots Startup Project Sharing

Deep Learning Computer Vision 3D Sensor Algorithm Acceleration On FPGA Tutorial

1 – overview

By GimHo.Ng/ 伍金和 (荷)

2023.3.29

G.E.M 鄧紫棋歌中的祕密 / the secret in GEM's music

【2507抬上帝入天坑】 / 【2507 carrying God back to heaven shit hole】 : <https://github.com/brianwchh/2507>

Tutorial files: <https://github.com/brianwchh/grassrootsstartup-ComputerVSION-zynq>

却江白春煙又
爲山髮雨寒是
紅不滄細依一
顏因滄細舊年
作百愁飄鎖櫻
多花滿萬孤花
情嬌枝家城季

二零二三年三月二十三日作

只人多江兩一
因間情山鬟夜始
多卻花白春
懂嬌只草霜風
女情爲本幾花
人如紅無時滿
花畫顏情來枝

女人花

https://github.com/brianwchh/worldofheart_v2/blob/main/md_and_html/附庸風雅/女人花.md

SOS Art Performance from chained talent girls

才女們無助的求救藝術行爲（含已自殺女星）노리개：그녀의 눈물

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset

Top Chinese pop star



G.E.M 鄧紫棋
wearing iron chain



Ariel Tsai 蔡佩軒
wearing iron chain



For more details please visit here: <https://github.com/brianwchh/SOSfromGEM>

South Korea pop star 설리 Choi Jinli's SOS signal to the public before hanging herself at home in 2019

What you will learn in the end

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset

Demos that you can do in the end:

1. <https://youtu.be/avOE0U4dMCY>
2. <https://youtu.be/se1tly5UWpE>
3. <https://youtu.be/iO0MZLmZf58>
4. <https://youtu.be/BIUoqIPO0g8>

The Best way to learn is to design a real project.
Then you may have your shining ideas that you want to deploy on
FPGA, and start your own startup

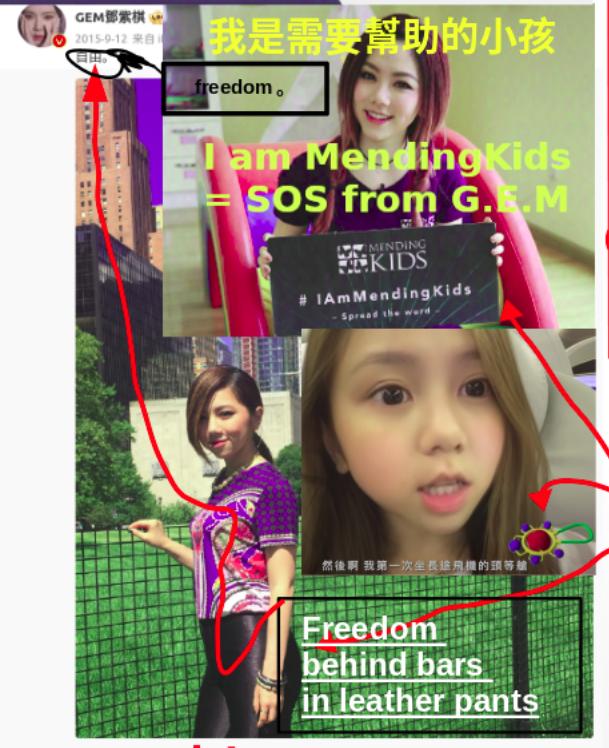
The tutorial plan

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset

- Let's read the papers together
- Design algorithm on computer using C++
- System diagram design
- Write Verilog code for each module & simulation
- ~~FPGA on board debugging (zyng 7020)~~
- ~~Embedded linux os bringing up~~
- Writing linux device driver
- Design application APPs on arm and linux computer for demos



The sigma and alpha are equal. The sigma male sits outside of the hierarchy by his own choice.



 가수 singer G.E.M
4471 8253 11.2万

SOS art performance

無形鐵鍊女們的 求救禪語信息

The secret behind singer G.E.M.'s music

解說鄧紫棋的祕密

2507] carrying God back to the heaven shit hole

「2507」抬上帝入天坑

小說解讀

連點成面之情報信息解析

Connecting dots to get the picture of the pyramid intelligence

Reveal the deep lies, traps & pitfalls

揭開深層的謊言、詭祕與圈套

A close-up portrait of Ariel Tsai, a singer, looking slightly to the right with a gentle smile. A red arrow points from the bottom left towards her name text.

Wake up all

SOS

Virus Unrestricted War !

深層政府十字軍東征中國之sos

中美氣象氣球事件

「非當年 UFO 事件」

病毒
超限戰

Mzr 十字架 = 10 = 黑



泡沫

小說地址：<https://github.com/brianwchh/2507>

解說影片：<https://youtube.com/playlist?list=PL4mHdDqV3T2uDfFnSC1bWhz3cN3wPZM2>

Who triggered this bomb

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset



「노리개：그녀의 눈물」 a movie based on her tragedy , 漢語「玩物」 2013



張紫妍 장자연 「性朝貢」事件：童話故事下的殘酷人生
2009 年自殺身亡的南韓女星張紫妍

장자연 (Jang Ja-yeon) sexual bribery puppet actress in south Korea, committed suicide by hanging herself at home in 2009, only left behind her diary detailing every man she had to sleep with, sometimes multiple men at a time !
"They" really don't care about us!
"They" are still at large!
"they" have the power and resource to be not just on top of your woman, but also you, at will !
You don't believe?! I understand! That is because you know nothing about "them", the mysterious deep state! just like me used to be!
You still believe, like a book nerd, that law can protect you? Not in front them, who are good at setting up sweet pitfalls, and make you a chained puppet! And hard to get away nor prove your situation!
You don't know their secret weapons, just like we don't know UFO and where human come from? Do you know? Or you don't care?! Still think these are far away from you ?!

Korea is only a screen shot of the world !

Worldwidely, numbers of chained girls are in the same situation where they are **sexually abused**, but having difficulties to prove.

The dirty training data for ChatGPT

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset

The “God” selected people owns technology from the weather balloon in Roswell in 1947 !

chatGPT 邪惡的數據採集與人類的未來

Neuralink's monkey playing mind-controlled video game, eating banana and sucking banana juice as a reward.

沒有一家公司可以重現微軟的chatGPT，除非你是“神”選之“民”才能有氣象氣球的技術。技術有多驚豔，數據來源就有多醜惡！因為你不瞭解腦控！問問下面這隻猴子？



馬斯克的猴子正在推動一場腦機革命，代價只是“香蕉奶昔”_創世記_新浪科技_新浪網

我們被當着是活體實驗卻很難證明



說謊才能全部都不留痕跡



嘆你的偽裝實在無人能及

鄧紫棋歌曲「超能力」，特工鄧紫棋的讀腦超能力，與外星人

像不像CIA的測謊原理，心電圖只是個障眼法？

Agent GEM's music : Superpower , the alien's mind-control technology ! Seems like coincidence and joking. Just like her freedom behind bars in leather pants.

你們應該知道的難得一見的妃子笑，不是荔枝，而是歌手蔡佩軒沒有眼淚的陶醉。美人一笑，連chatGPT都會寫歌譜曲了。

Who controls GEMs

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset



G.E.M.鄧紫棋【句號 Full Stop】Official Music Video

2.67M subscribers

47,606,570 views Premiered Nov 22, 2019 #鄧紫棋 #GEM #句號
Stream/Download the song here: <https://gem.link.to/FullStop>

我青春的全部回憶
那要的恨的全都是你
可惜我們終於來到一個句號

Man with cross in black gentlemen hat and suit



G.E.M.鄧紫棋【句號 Full Stop】Official Music Video

2.67M subscribers

47M views 3 years ago #鄧紫棋 #GEM #句號
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我青春的全部回憶
那要的恨的全都是你
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Puppet magic box



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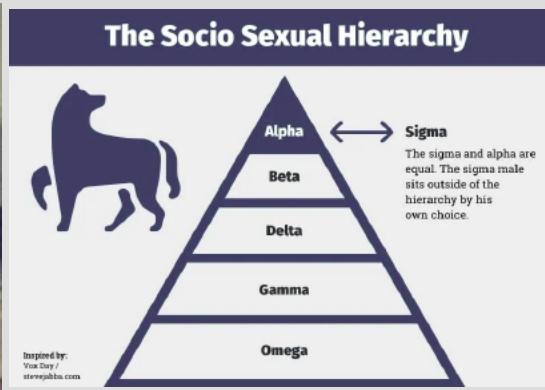
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我青春的全部回憶
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Controlling the puppet



Deep state



What is Project sigma?

In her song [full stop/ 句號], she implies herself as a puppet controlled by the cross! The box of needle looks like a magic box !

So the MV tells a different story rather than that she promoted publicly which is the dispute between her and her former company,i.e. hummingbird music.

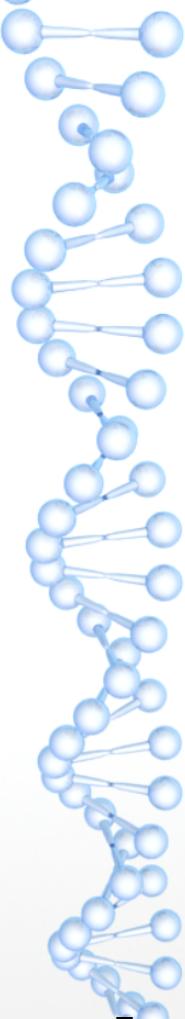
This unsaid story matches other stories embedded in her other songs, such as [bubble],i.e. bible= bubble=lies! And [fearless/ 毒蘋果] which is about the sweet lies and attemptation in the “bible” book!

She is a christian at very young, she went to christian school since very young! So the age matches the little girl in the MV, who came across this magically mysterious gentleman in black suit & hat at very young age .

The real world is highly possibly different from what we have seen and been taught! There is a reason that we don't know where we are from and who we really are! Because “they” don't want us to know! We are trapped in this world's physics / phenomenaons, which only UFO have the authority to overwrite.

More ugly secrets in GEM's music

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset



他們即牠們，即深層政府，即傀儡拜登所說的 they, they gave me reporter list ...

鄧紫棋，凳子妻（伍大 / 金 ❤ 與鄧金蓮 / Queen of heart）前世今生的蘋果

For more please read novel 【 2507 抬上帝入天坑】： <https://github.com/brianwchh/2507>
【 2507 carrying God back to heaven shit hole 】

More about the dark deep state

接下來幾頁是暗線之極惡暗黑深層政府

bubble = bible = +
=poisonous apple
=lies

+

喂，凳子，誰想嫁給你啊
誰要認識你啊
是牠們逼我的



15



G.E.M. "泡沫" "BUBBLE" [HD] 官方MV 鄧紫棋
17M views • 10 years ago

Virus Unrestricted War !

深層政府十字軍東征中國之 sos

中美氣象氣球事件
“非當年 UFO 事件”

病毒
超限戰
十字架 = 10 = 黑1
泡沫



G.E.M. 【毒蘋果 FEARLESS】 Official Audio [HD] 鄧紫棋
2.4M views • 4 years ago
Poisonous apple

Message taken from China-US weather balloon incident : Black cross army heading its way east to China ! It is not to remind you the fake weather balloon in roswell 1947

Why I am doing this tutorial

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset

- Sharing every details of my startup project , i.e. 3D sensor, including source code , simulation and debugging skills of FPGA.
- During break time, tell you the ugly secrets in G.E.M's music. Please believe me, this is far more important than the valuable project I am sharing here. When you read this far you might already know that accelerating algorithms on FPGA is very important ,and difficult as well ! **But this information in GEM's music is far more important and far more difficult to speak out !** Some Korean pop stars have already "committed suicide" trying to prove the real truth!
- My life is in a mess when I was selected by them to be involved with the dirty and disgusting secret project, of course, without my permission and without letting me know, together with a lot of chained talent women and men. **We are being treated as experimental monkeys !** And the result will come and apply to you and your next generation eventually! You have no choice to be audience! Did you embrace chatGPT and boston dynamics robots yet ?! Did you ask yourself who is chatGPT's teachers ? Where did the private and dirty training data come from ? Can you write songs ? Probably no! But chatGPT can, amazing, isn't it !?



马斯克的猴子正在推动一场脑机革命，代价只是“香蕉奶昔”_创事记_新浪科技_新浪网

Neuralink's monkey playing mind-controlled video game, eating banana and sucking banana juice as a reward.



說謊才能全部都不留痕跡
喚你的偽裝實在無人能及

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Review 3Deepercept BP

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset

- Why FPGA is preferred over GPU & ASIC for early stage startups

Coming next

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset

- Read papers

Brief intro. about me

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset

- Over 11+ years of R&D work experience, capable of designing and deploying computer vision and deep learning algorithms on embedded device like FPGA and ARM.
- Full stack web development with Django, React/Vue/Nextjs, MySQL, Nodejs, Golang, etc....
- skilled at FPGA / ZYNQ SOC design (Verilog HDL)
- good at GPU (CUDA + openGL)
- Good at programming languages: C/C++, python, javascript, Golang, verilog HDL
- Familiar with Deep learning libraries like Tensorflow, Darknet...
- rich work experience in : SLAM / Visual SLAM, ROS, VR, AR, 3D sensing (Stereo vision), object detection, motor control

More on LinkedIn : <https://www.linkedin.com/in/brianwchh/>

DocuSign Envelope ID: 508CEAF-E87F-4E9C-B2B6-699EBE25B56B



NCS Pte. Ltd. (Co. Reg No: 198101793G)
5 Ang Mo Kio Street 62 | NCS Hub | Singapore 569141
T 65 6556 8000 F 65 6556 7000 W www.ncs.com.sg
A member of the NCS Group

In 2018, Job offer from NCS Singapore

08 May 2018

PRIVATE & CONFIDENTIAL

E12430336

Wu Chenghe

Xiang Shui Bei Lu, Huiyang Qu, Huizhou Shi, Guangdong Sheng

China 516083

Dear Chenghe,

LETTER OF APPOINTMENT

We are pleased to offer you the appointment for the position of Lead Engineer, in NCS Pte Ltd (NCS). You will be placed at

DocuSign Envelope ID: A55CCB98-C87C-4B0C-813F-2025D137EA14

In 2019, Job offer from ARM Manchester office

Private & Confidential
Chenghe Wu
423 Yishun Avenue 11
Singapore
760423

11 October 2019

Dear Chenghe,

I am pleased to be able to confirm the offer of employment which was made to you recently offering you the position of Senior Software Engineer reporting directly to Principal Software Engineer is subject to being able to secure a valid work permit/ visa for you.

You will be based at the Manchester office, although you may also be expected to work at our other Arm



Georgia Kulyarit <Georgia.Kulyarit@arm.com>
to me, Steven ▾

Dear Chenghe,

We regret to inform you that we must withdraw our offer of employment made to you on 11th October 2019. Our offer of employment was conditional upon, among other things, you securing a valid work permit/ visa for you. We are unable to proceed with your employment.

Sincerely,

Georgia Kulyarit



Georgia Kulyarit | People Services Co-Ordinator
PeopleSharedServices.Europe@arm.com
Arm Ltd – Building A-B 110 Fulbourn Road, Cambridge, CB1 9JN, UK
Direct: (+44)1223 644 223
www.arm.com

Glassdoor BEST PLACES TO WORK 2017 Employees' Choice



G.E.M. 【幫你實現新年願望】鄧紫棋

52K views • 5 years ago

In 2018, GEM help you to fulfill the new year dreams

In 2019, rejected Job offer notice from ARM Manchester office because of my applying political refugee asylum in Jeju, Korea

Thank you

#hohy #metoo #MeTooMovement https://github.com/brianwchh/ChatGPT_mindControl_dataset



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from chained talent girls



無形鐵鍊女們的
求救禪語信息

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← 解說影片：<https://youtube.com/playlist?list=PL4mHdDqV3T2uDeFnSC1bWhz3cN3wPZMzr>

玩物 노리개 의 눈물：自由是鐵欄後皮褲的笑話

Freedom is a joke of leather pants behind bars
freedom behind bars in leather pants



The secret behind singer G.E.M's music
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