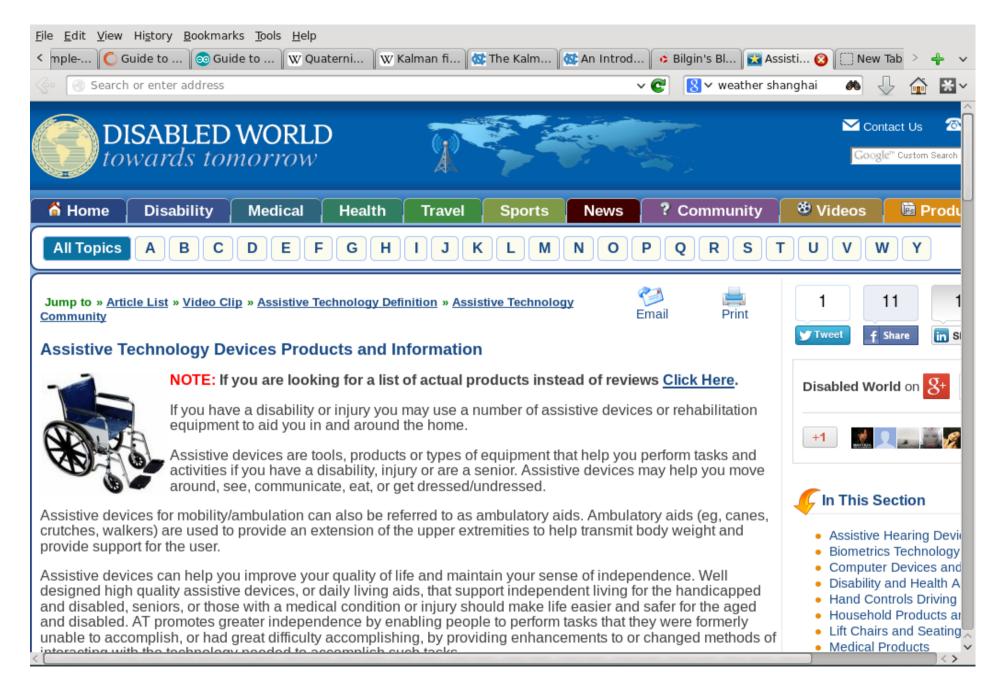# Now:- "The 9 minute or less talk"

- Well already used up a minute or so

-

- Wife's nephew failing health

- Now suddenly bedridden

- Only partial use of one arm/hand + no hearing or voice and very poor eyesight

- Quite a few other major issues :(

- got me thinking of ways to help

-

- http://www.disabled-world.com/assistivedevices/

- http://e-patients.net/archives/2012/07/health-care-hackers.html

• http://www.oneswitch.org.uk/4/DIY/

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-
-
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-
- http://www.digi.com/blog/community/create-your-own-outcome-easton-lachappelle-reinvent-the-conventional-prosthetic/

One list of people making controllers

- **Note list is LESS than two weeks old!**

- http://thecontrollerproject.com/forum/viewforum.php?f=5&sid=8449c2ae2b4f01ec93195b24d8d3682e

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weather shanghai

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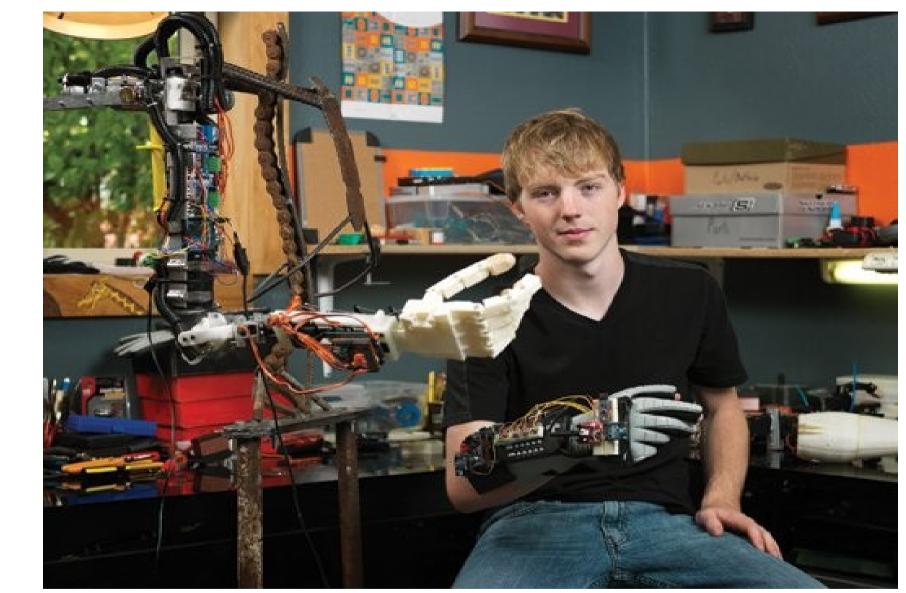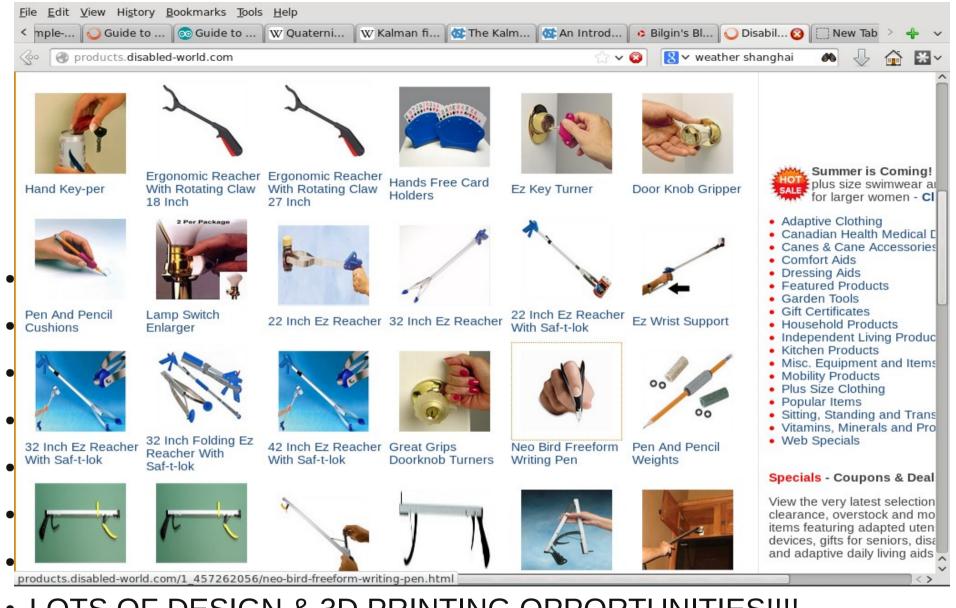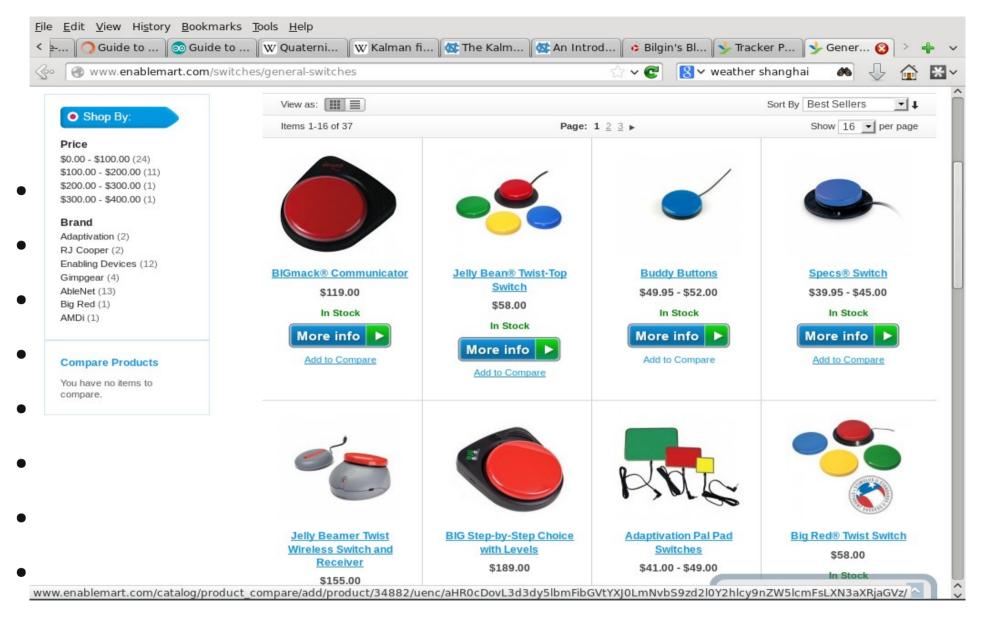
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I'm looking for someone to make me a controller

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[Spinal Muscular Atrophy] 3DS controller mod Go to page: 1, 2	PRIZZA	13	140	Mon Jul 01, 2013 8:24 pm devbandit
[Cerebral Palsy] "One handed" Wii Controller Go to page: 1, 2	skyhopper88	10	230	Fri Jun 28, 2013 11:19 pm skyhopper88
xbox controller	devdragon	5	175	Sun Jun 23, 2013 11:43 pm devdragon
[Muscular Dystrophy] Looking for switch input/switches. Go to page: 1, 2, 3, 4	sydwashere	33	384	Sun Jun 23, 2013 7:05 pm sydwashere
Tourrete Syndrome Go to page: 1, 2, 3	OS_Epsilon	20	379	Sat Jun 22, 2013 4:14 pm victor

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Theme Created By ceyhansuvu

- http://thecontrollerproject.com/forum/viewforum.php?f=3&sid=8449c2ae2b4f01ec93195b24d8d3682e
- PS:- Caleb has just left HackaDay
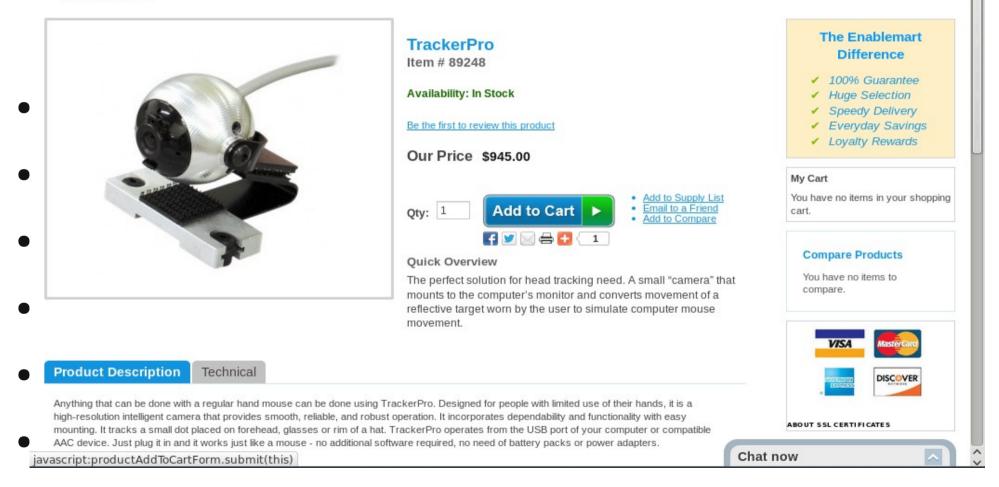
- LOTS OF DESIGN & 3D PRINTING OPPORTUNITIES!!!!

- http://products.disabled-world.com/

- http://www.enablemart.com/switches/general-switches

- http://www.enablemart.com/tracker-pro

How much?

- How much for the reflective dots?

-

-

TrackerPro Reflective Dots

Our Price $25.00

- http://www.enablemart.com/computer-accessibility/alternative-input/head-and-eye-tracking

http://komodoopenlab.com/tecla/

Take control of your device.

Tecla is a set of tools that provides access to mobile devices, such as smartphones and tablets, for those who are unable to manipulate them due to disease or disability.

With Tecla, you can take control of your mobile device using the interfaces you are already familiar with, such as your wheelchair driving controls or adapted switches.

tecla shield dos

Driving Control

OR

Tecla user sends command via

Adapted Switch

Tecla Shield

Tecla Shield relays command to mobile device

User controls mobile device

$289 …. Holy $#!+

- "the cost is $289 Canadian. My initial reaction was Holy $#!+ That's outrageous!"

-

- "If I knew what I was doing I could build something similar for about $75 worth of parts" …..... *so in China maybe $30 or less to DIY*

-

- ..."On further review it probably is a reasonable price for a commercially built product"

-

- http://tech.cyborg5.com/2013/01/06/assistive-technology-at-both-ends-of-the-price-spectrum/

•My first attempt = big joystick

- seemed to suit

- easy to do

- strong, robust

- handle large movements

- ... but

  – need v big screen & v close

  – have to move screen quickly & easily - LOTs of hourly & urgent medical treatments

  – actually need semi-fixed - stable base otherwise joystick flops about

- ... so still not sure if it would actually work for him!!!

Accelerometer MMA7660 as mouse

Thumb Joystick mouse

Accelerometer + Gyro as mouse

Progress & possibilities, BUT...

- Need more effort to make usable
- Need more ideas to make better (hardware, software, better solutions, ….)
- Need encouragement & support
-
- Well sounds just like …..

Making stuff at XCJ

- play with HEAPS of dif technology
- design and make things (3D print, mold/sculpt)....
- overcome challenges
- do stuff - have fun
- Really useful XCJ's members MANY languages!!!
- ..... potential to raise funds for xcj or ....
- help others – community
  - Several XCJ members already helped a lot
  - Plus more help via mailing list!

Additional side track / parallel activity-idea

- last year I was thinking starting regular making/sharing sessions
  - a bit like the Aquaponics
  - aim is encourage people to ask questions/learn
  - could have dif topic each session, or free form, or mix
  - not because XCJ lacking, in fact partly too much happening - need avoid distraction/focus!!!
- It's like everyday @ XCJ, but adds
  - regular time/s were people come to learn/share
  - free to ask questions without disturbing others work
- BECAUSE EVERYONE is a beginner at something/many things
- BECAUSE EVERYONE everyone has things to share :)

Combine ideas: Make-hack-play Sessions

- Weekly sessions – learn/share ask questions!

- Some sessions on particular topic

- Use assistive projects as a learning focus

    – design, physical hardware, 3D printing, electronics, software, coding, …..

    – Reduce uncertainty by assigning tasks, with guidance and support if required

No experience required!

- Can learn as you participate!
- Need to be XCJ member – 100RMB/month!
- Can use many XCJ sensors and uP for free
- Other devices – may need to raise funds

How to get involved

- Come and chat to me
- Chat to anyone here
- Just do it - make it happen

  {XCJ is a do-ocracy!}

-
- Xinchejian.com – mailing list
- Any XinCheJian contact method on Xinchejian.com
- spanner888@xinchejian.com