Shoot First, Ask Questions Later
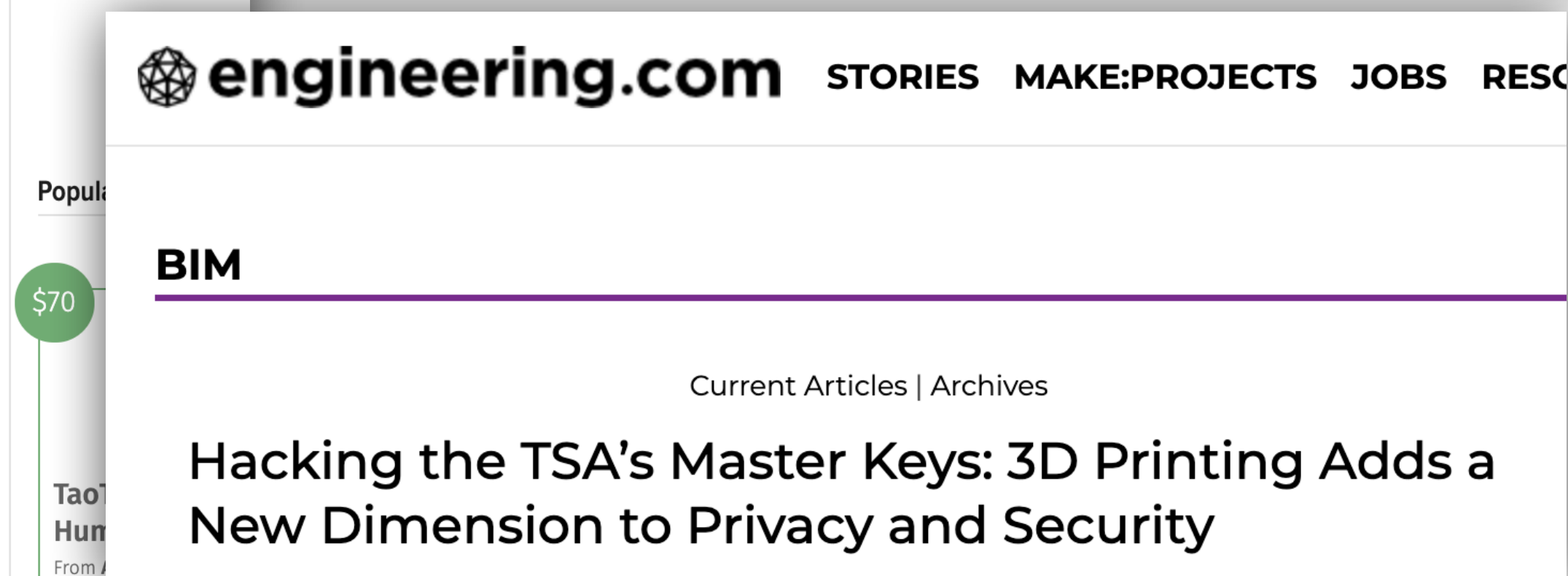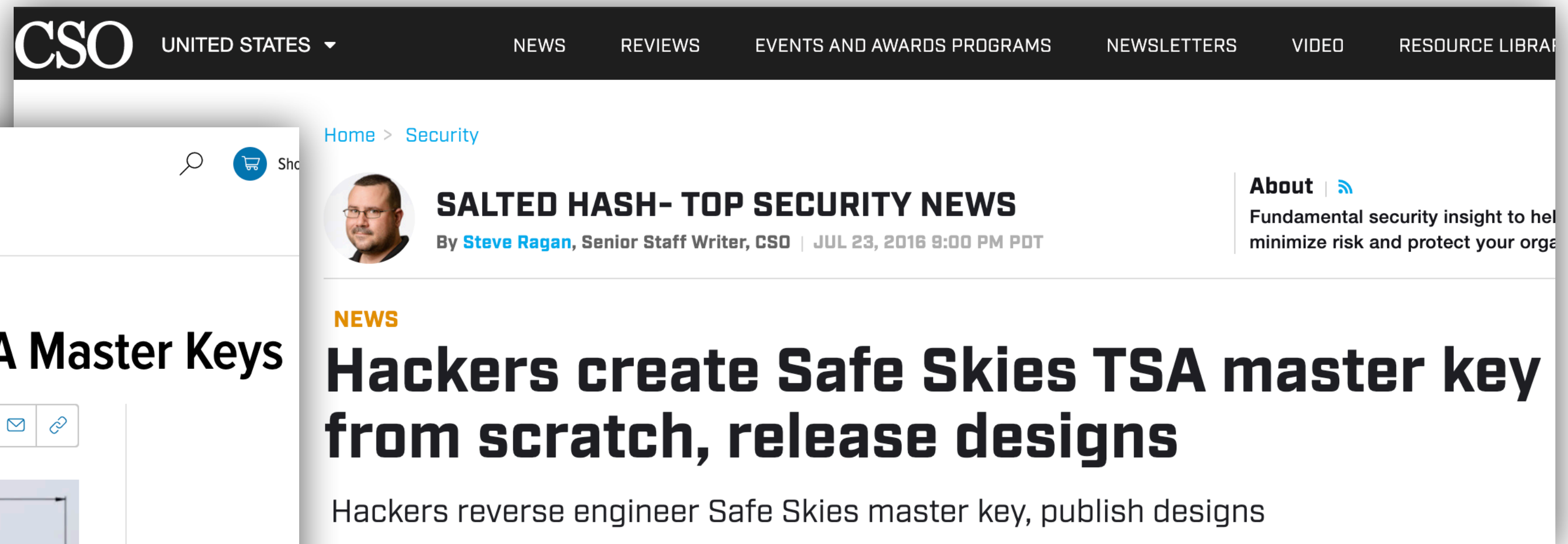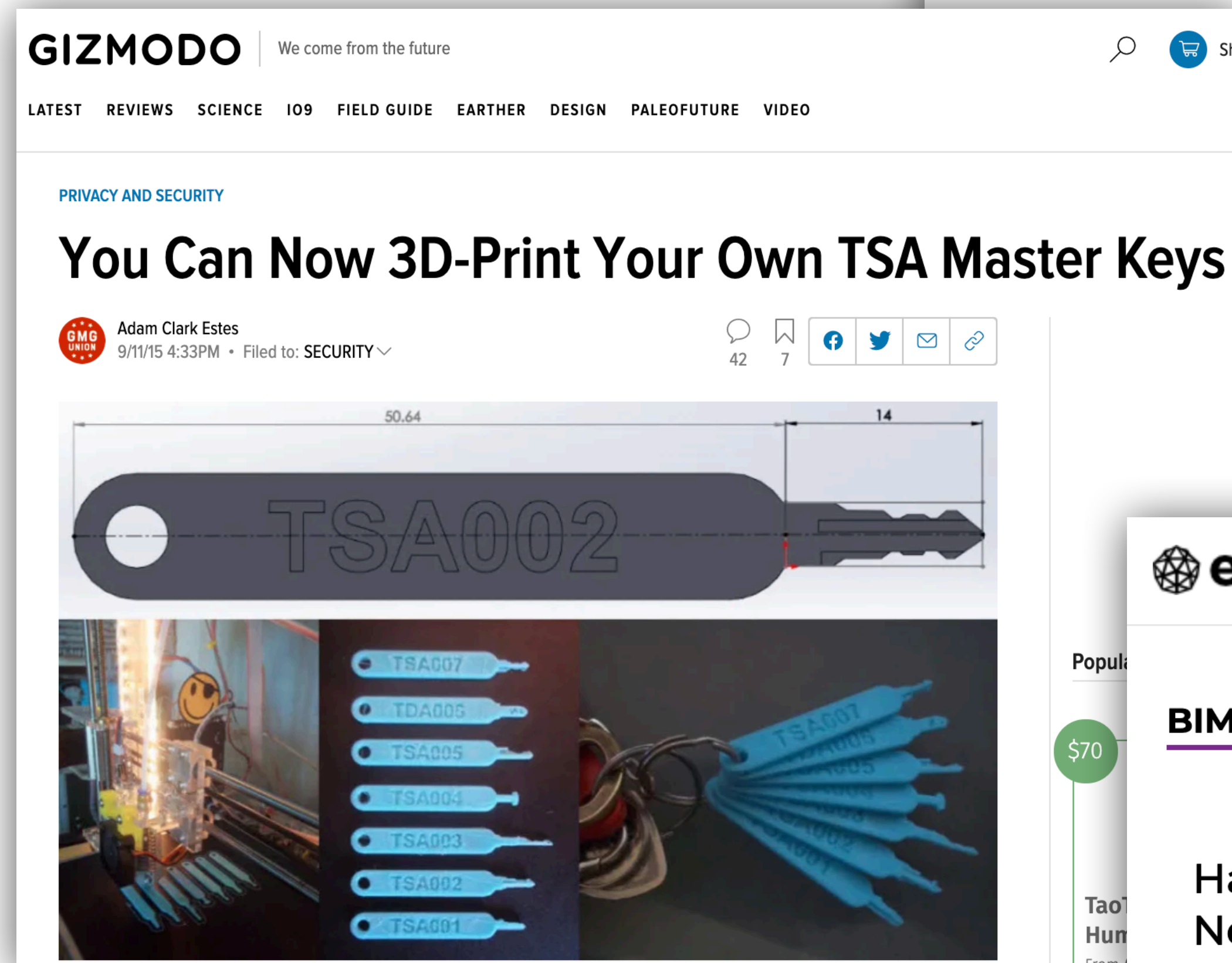
The Maker Response to COVID-19

Johnny Xmas - GRIMMcon 2020 || Github: JohnnyXmas || Twitter: J0hnnyXm4s || Twitch: j0hnnyxm4s

~ % whoamitho

Trainer, AppSec Analyst & Sr. Researcher (& "Whatever Else") for GRIMM

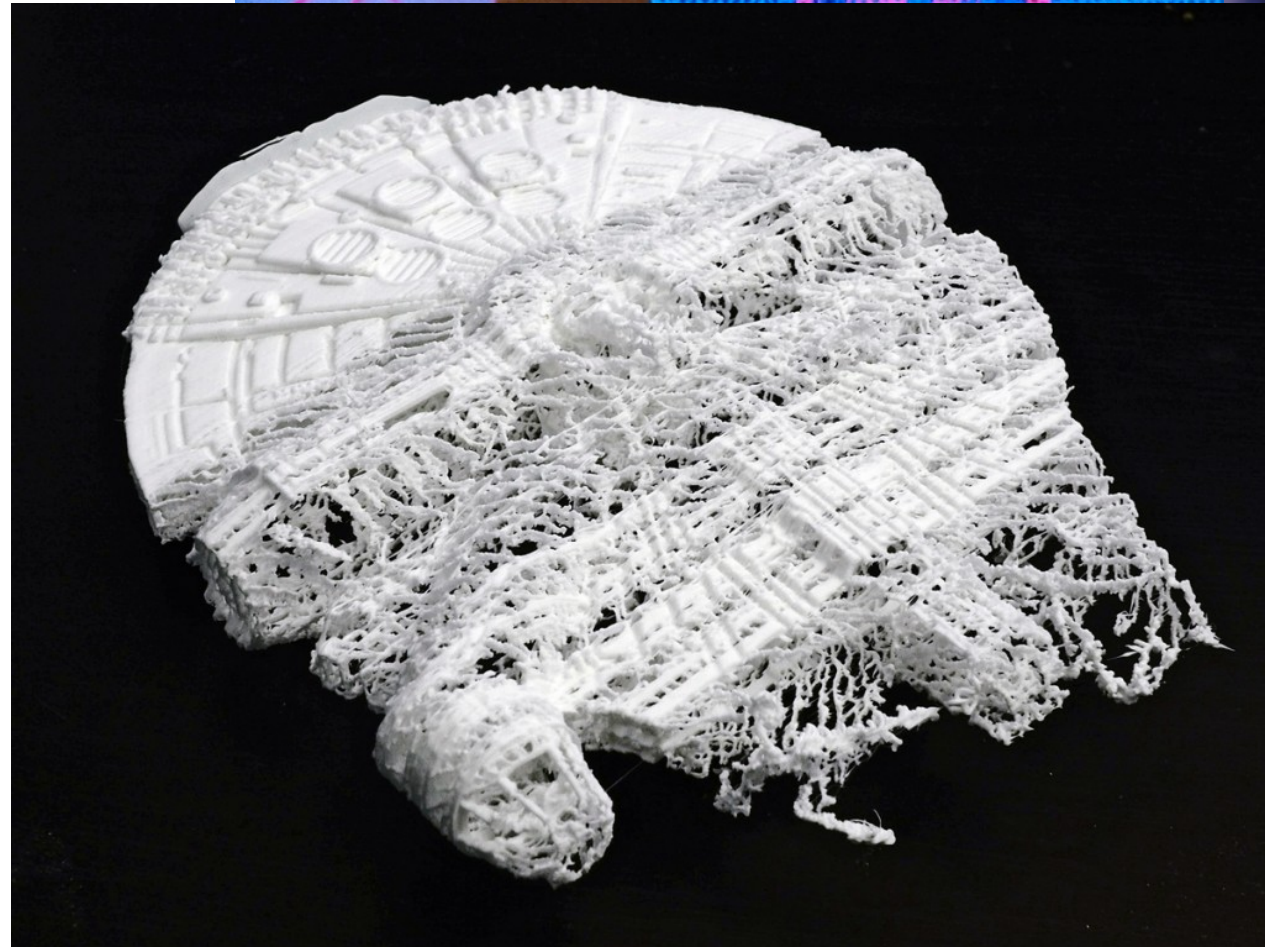More applicably, this guy:

What's Going on ?
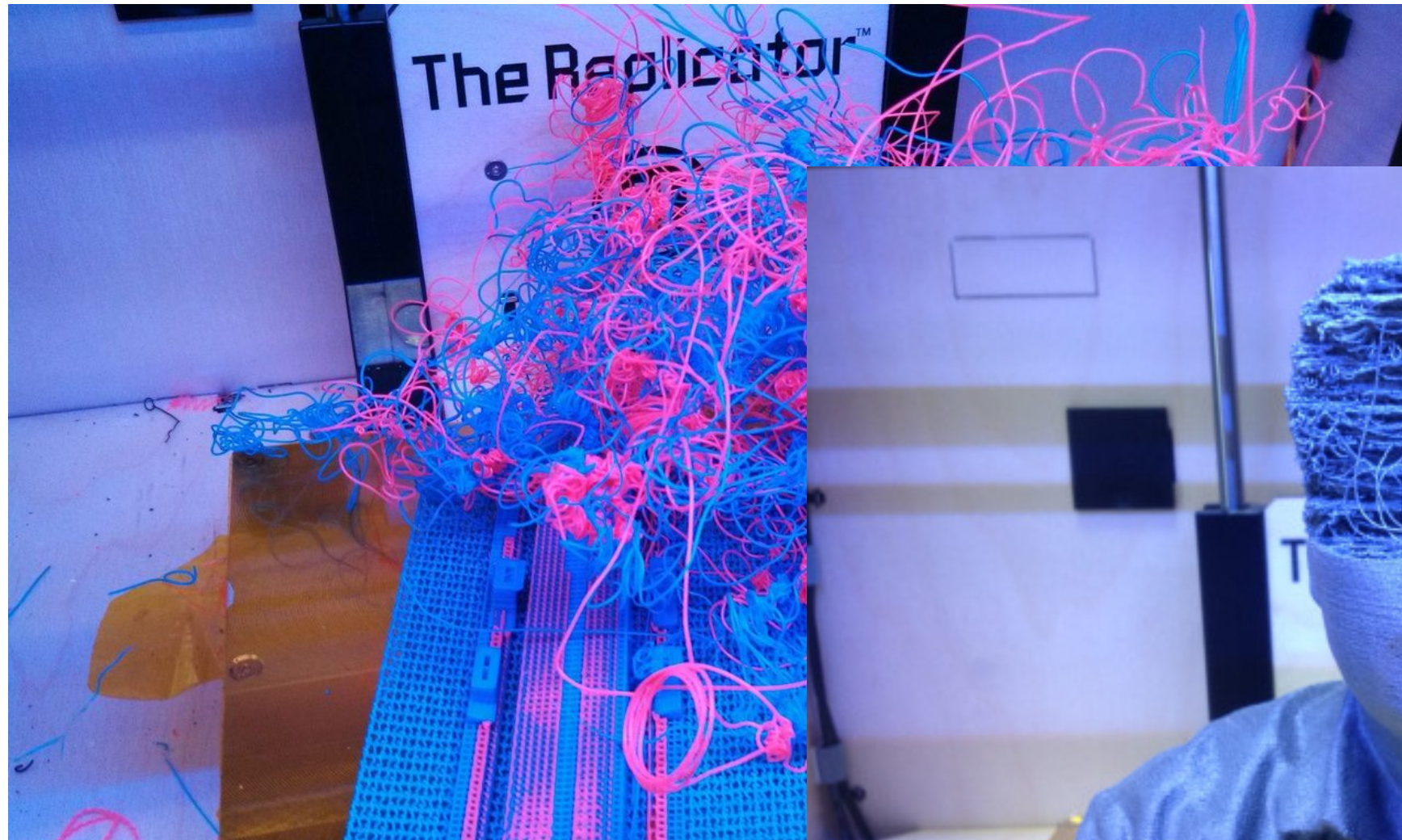

The US did not have a proper plan in place for a Pandemic

Mass production of PPE (or most anything) is a balance and can't shift rapidly

"Any port in a storm" leads to repurposing of rapid prototyping systems

Isn't 3D Printing Perfect, Futuristic Magic?

Isn't 3D Printing Perfect, Futuristic Magic?

Affected by environmental factors

Difficult to make durable goods

EXTREMELY SLOW

...and yet, WE'RE DOING IT!

...and yet, WE'RE DOING IT!

Tower of Babel

Social Media = 140,000 groups, all vying to be The One

Slacks Slacks Slacks Slacks Slacks Slacks Slacks Slacks

Endless Unanswered Google Forms

Hoarding of materials

Production of PPE which shouldn't be used

See the title of this talk

"From Chaos, Comes Order"

- Nietzsche

Prusa & 3DVerkistan issue strong designs that are fast to print.

NIH certifies designs for use, hosts 3D designs repo

Concise PDFs and "Infograms" achieve mass circulation

Non-nerds can help with low-tech makes

"Cloth" wearables are easy enough for beginners to make

Where are we Now?

Hackerspaces & Internet stars put huge # of printers to work

Retail outlets donate materials

Some manufacturers selling pro PPE at cost

Community continues to tweak 3D models and invent new wearables

More Info / How can you Help?

#GetUsPPE and getusppe.org if you have or need PPE, or want to donate $

Masks For Docs Slack: https://tinyurl.com/masksfordocs

Join applicable channels, READ THE PINNED POSTS

https://3dprint.nih.gov/discover/

https://www.makemasks2020.org/mask-making-guide

Get on the horn.

Ask around your community.

FB / Reddit groups / Neighbor apps

Hackerspaces

You may be the one who has to jumpstart things.

Shoot First, Ask Questions Later

The Maker Response to COVID-19

Johnny Xmas - GRIMMcon 2020 || Github: JohnnyXmas || Twitter: J0hnnyXm4s || Twitch: j0hnnyxm4s