

CUNY City Tech's Industrial Design Technology Program
at Department of Mechanical Engineering Technology Presents

Design Competition for Preventing the Coronavirus Disease and Spending Time Usefully during the Stay-at-home Era

Call for innovative ideas: any innovation or design for a product that can help to prevent coronavirus disease (masks, robots, drones, shields, bottles of hand sanitizers, devices, sensors etc.) or to spend time usefully/productively at home during staying home (gym exercise tools etc.). Any stages of the development process (brainstorming, hand drawing, computer graphics, 3D modeling) are welcome.



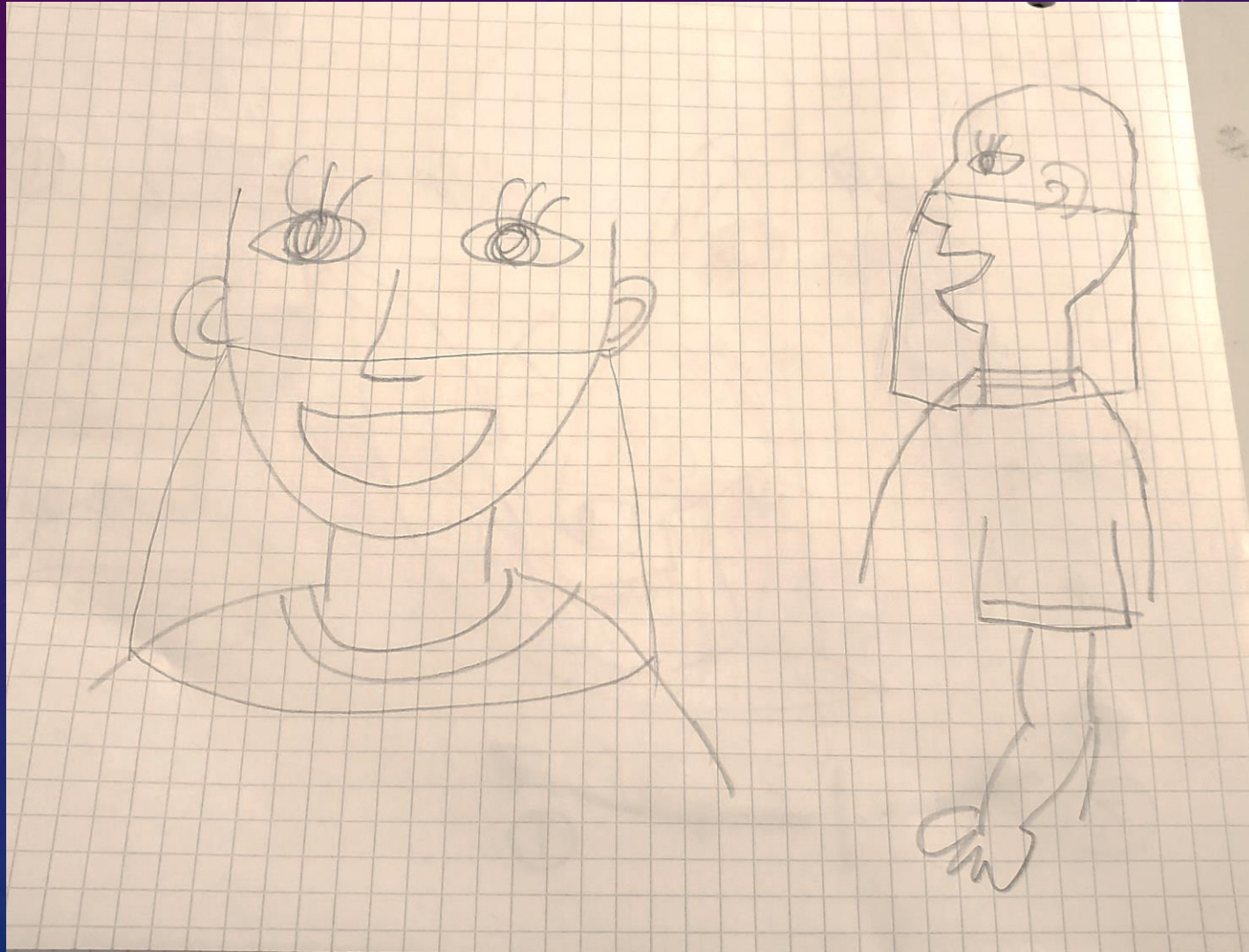
1. Sketch (hand drawing) your idea on a paper,
 2. Take a picture, and
 3. Send the image file to Professor Masato R. Nakamura (mnakamura@citytech.cuny.edu) by 5pm, Friday, 4/30/2020
- * You will have a chance to present your idea among design professionals and industrial design students as well as have feedback from them.



This design competition is held in conjunction with a IND 2410 Industrial Design II coursework project. It is open to everyone (not limited to CUNY's City Tech and Brooklyn communities). Excellent designs will be recommended to present in a conference/startup event in the future.

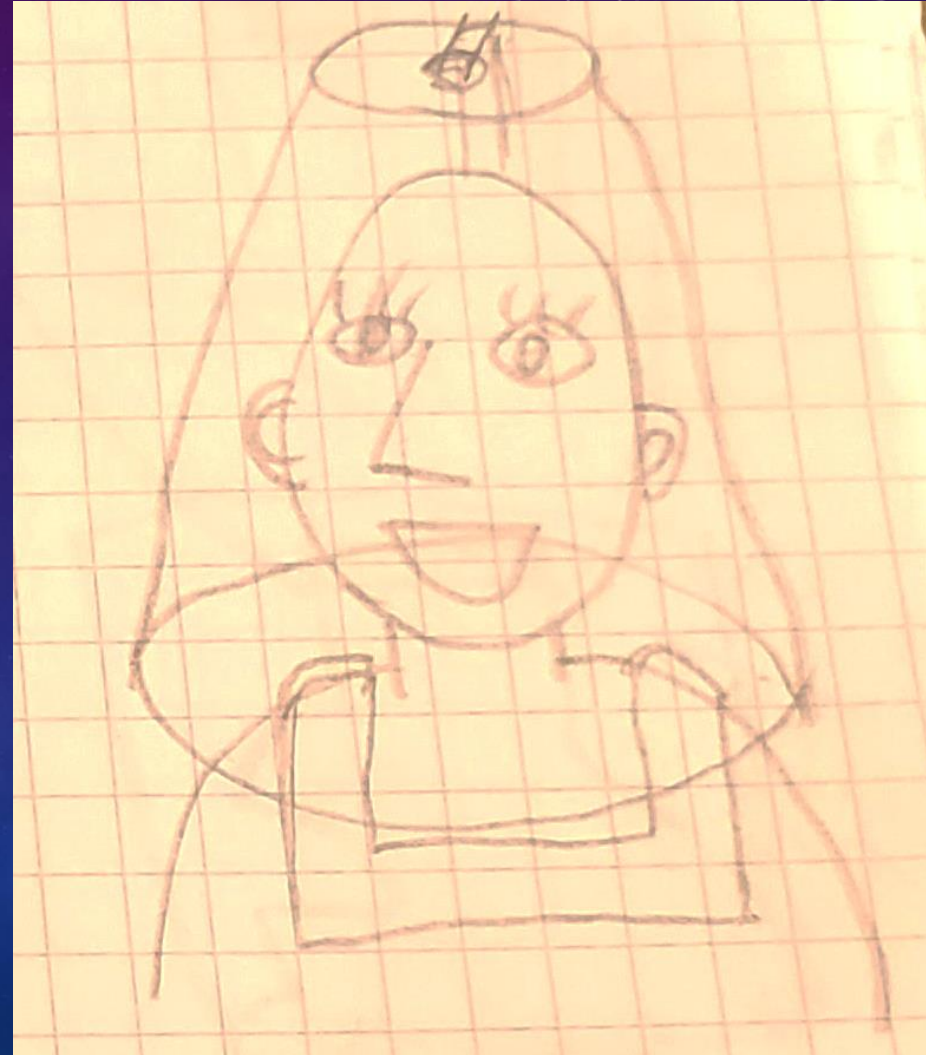
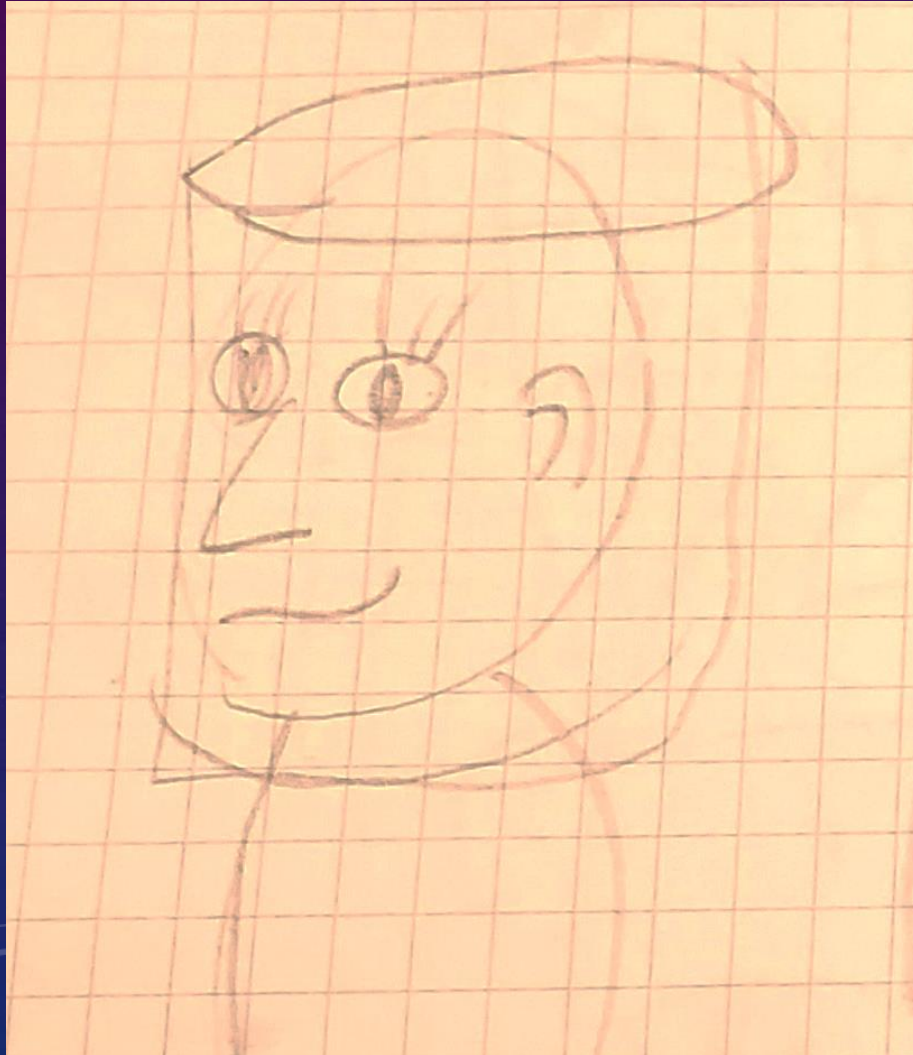
EXAMPLE #1 BRAINSTORMING

#XX Sketched by MRN, Brooklyn, NY



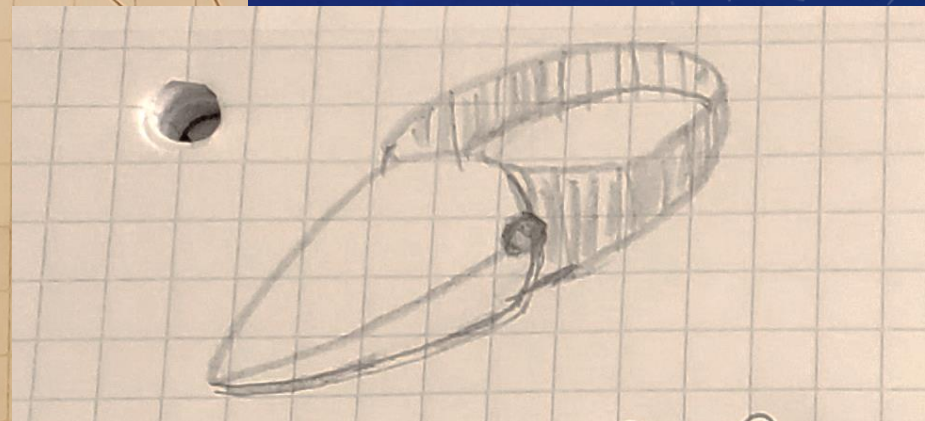
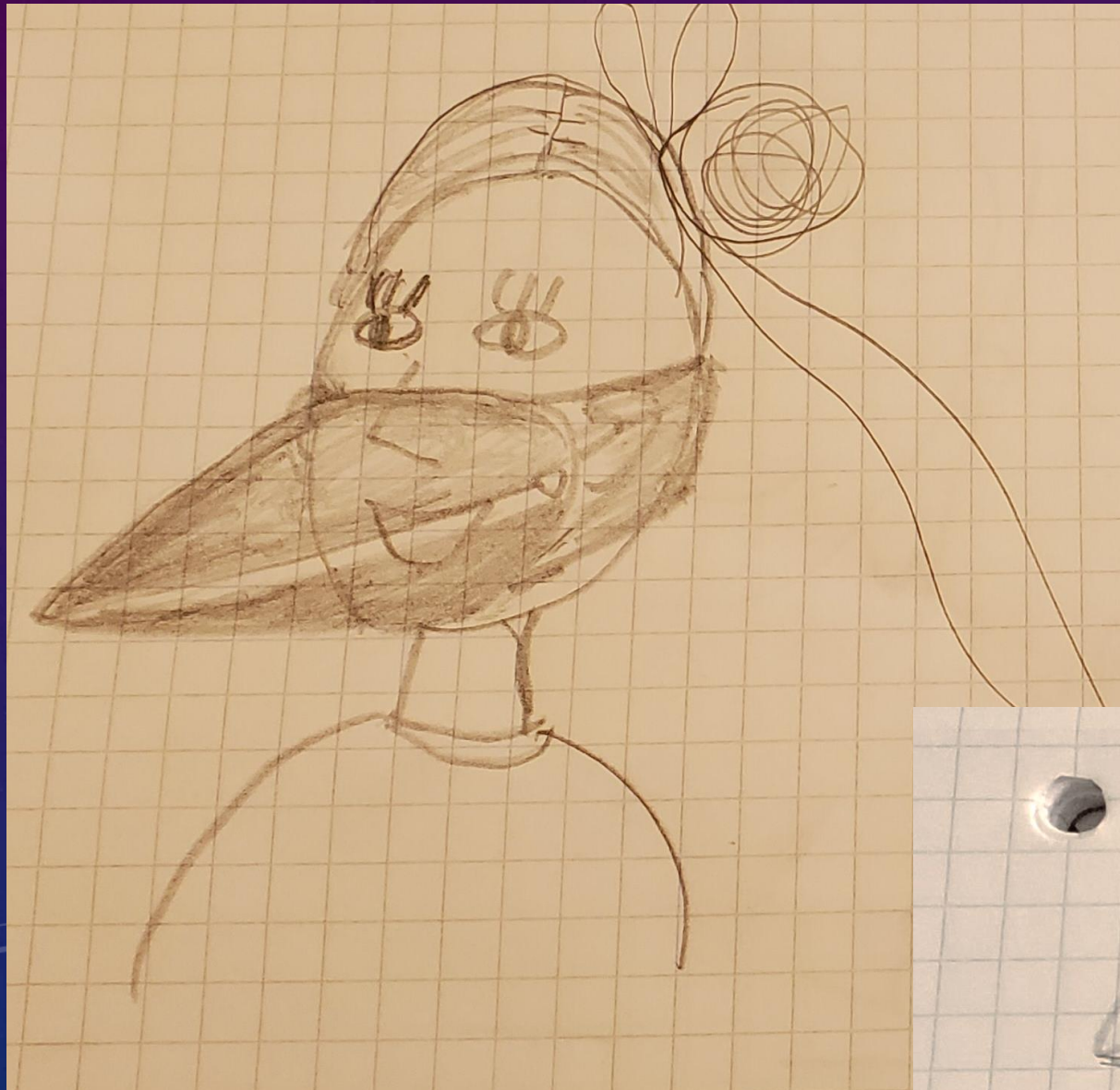
EXAMPLE#2 BRAINSTORMING

#XX Sketched by MRN, Brooklyn, NY



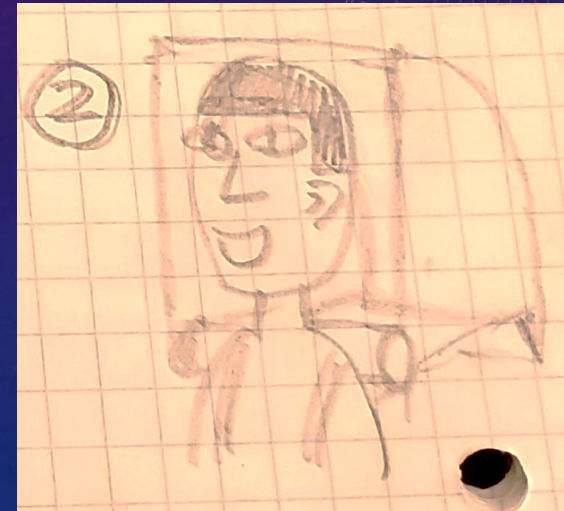
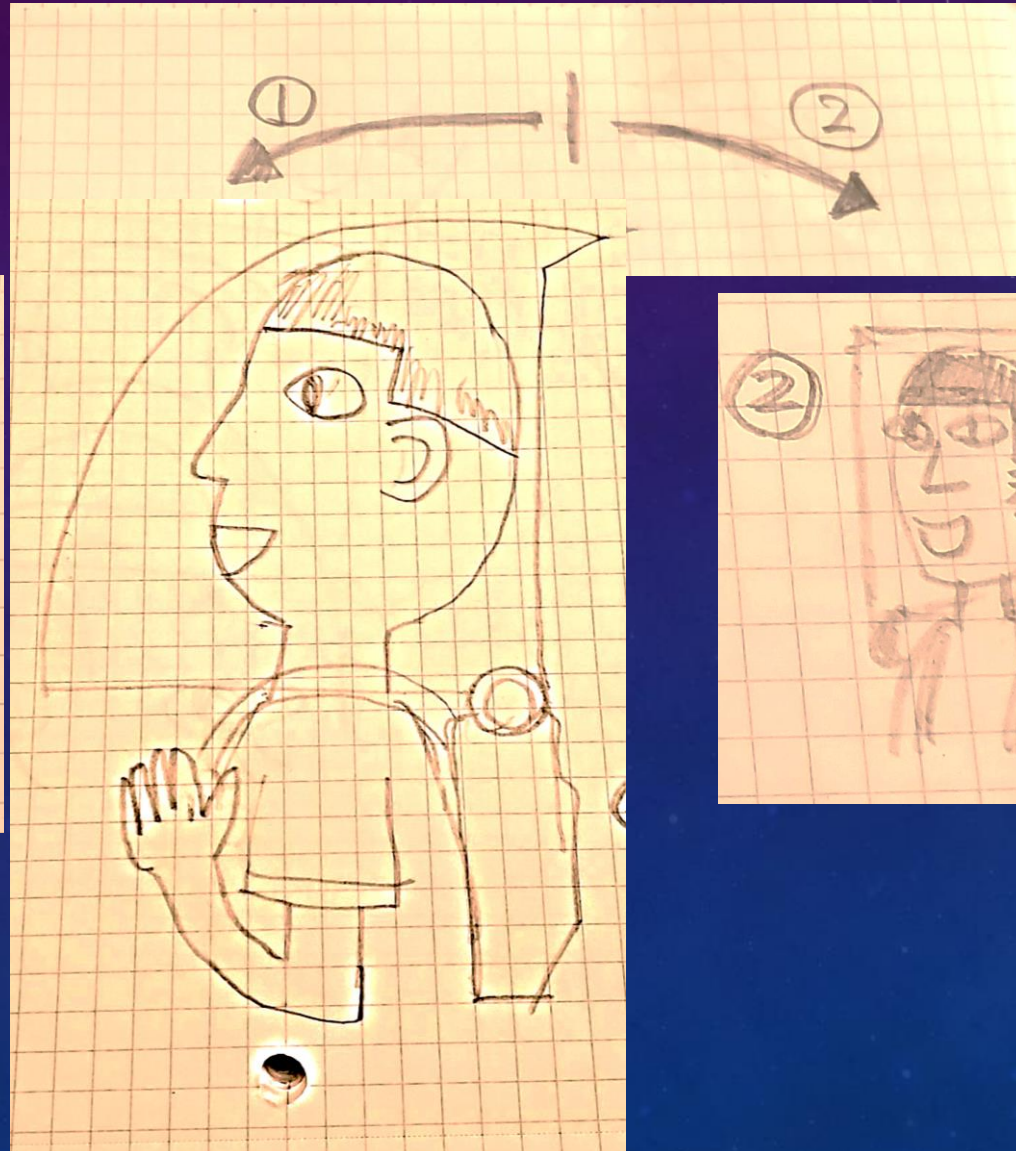
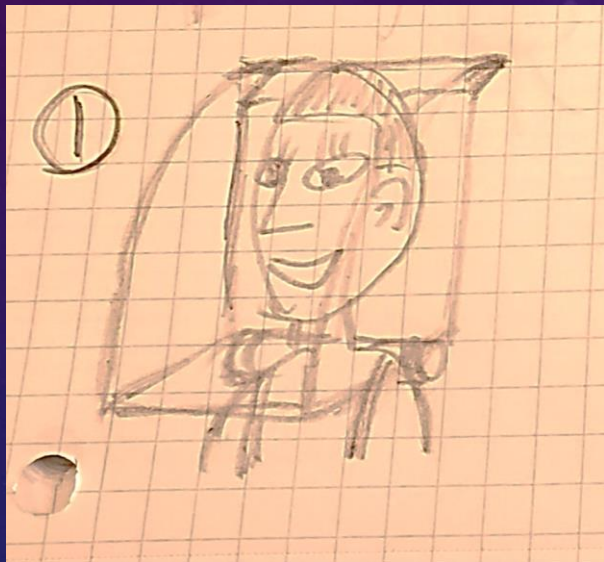
PELICAN BEAK MASK FOR KEEPING A DISTANCE

#01 Designed by MRN, Brooklyn, NY



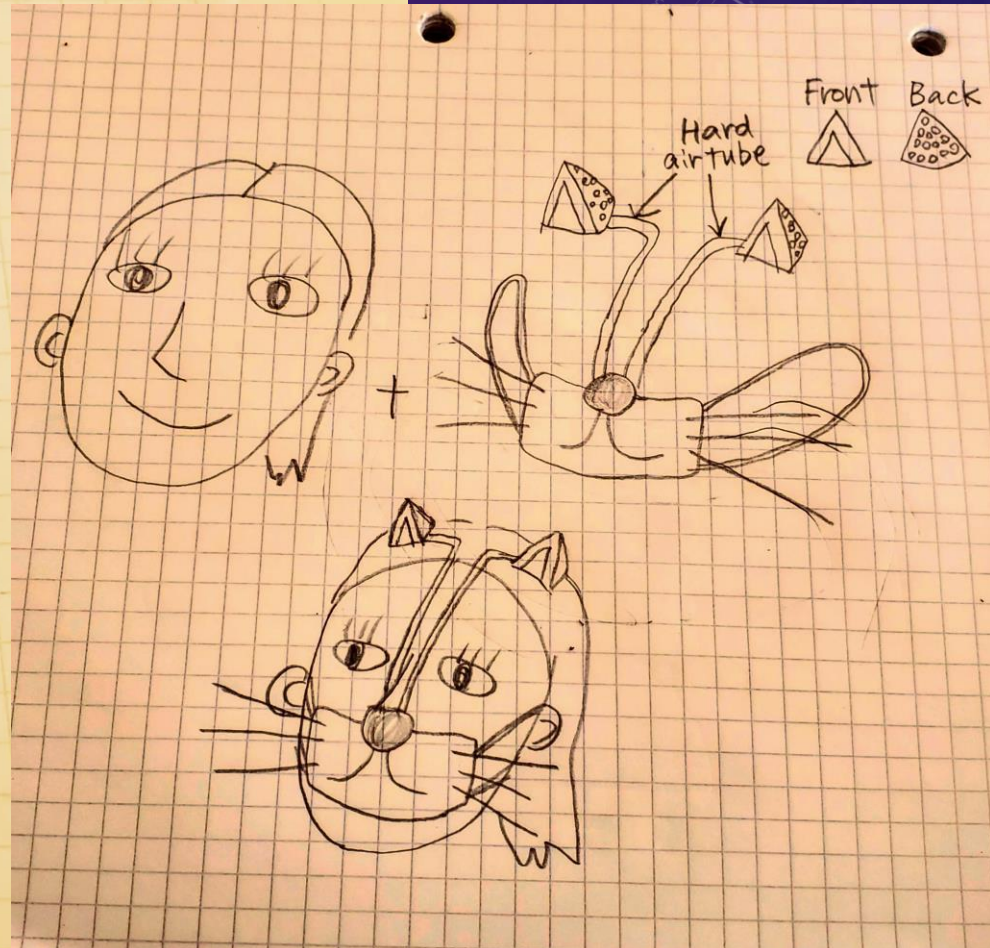
A BACKPACK WITH A MOTORIZED SHIELD

#02 Designed by MRN, Brooklyn, NY



CAT MASK FOR KIDS & TEENAGERS

#03 Designed by STN, Washington, DC





INDUSTRIAL DESIGN FOR PREVENTING THE CORONAVIRUS DISEASE

IND 2410 INDUSTRIAL DESIGN II PROJECT

4/2/2020

PROFESSOR MASATO R. NAKAMURA



HOW-TO SURVIVE
A DEADLY GLOBAL VIRUS



HOW-TO SURVIVE
A DEADLY GLOBAL VIRUS

ALTERNATIVE MASKS TO PROTECT AGAINST CORONAVIRUS



Read this article

https://www.dezeen.com/2020/02/17/alternative-coronavirus-masks-max-siedentopf/?li_source=LI&li_medium=bottom_block_1



HOW-TO SURVIVE
A DEADLY GLOBAL VIRUS



HOW-TO SURVIVE
A DEADLY GLOBAL VIRUS

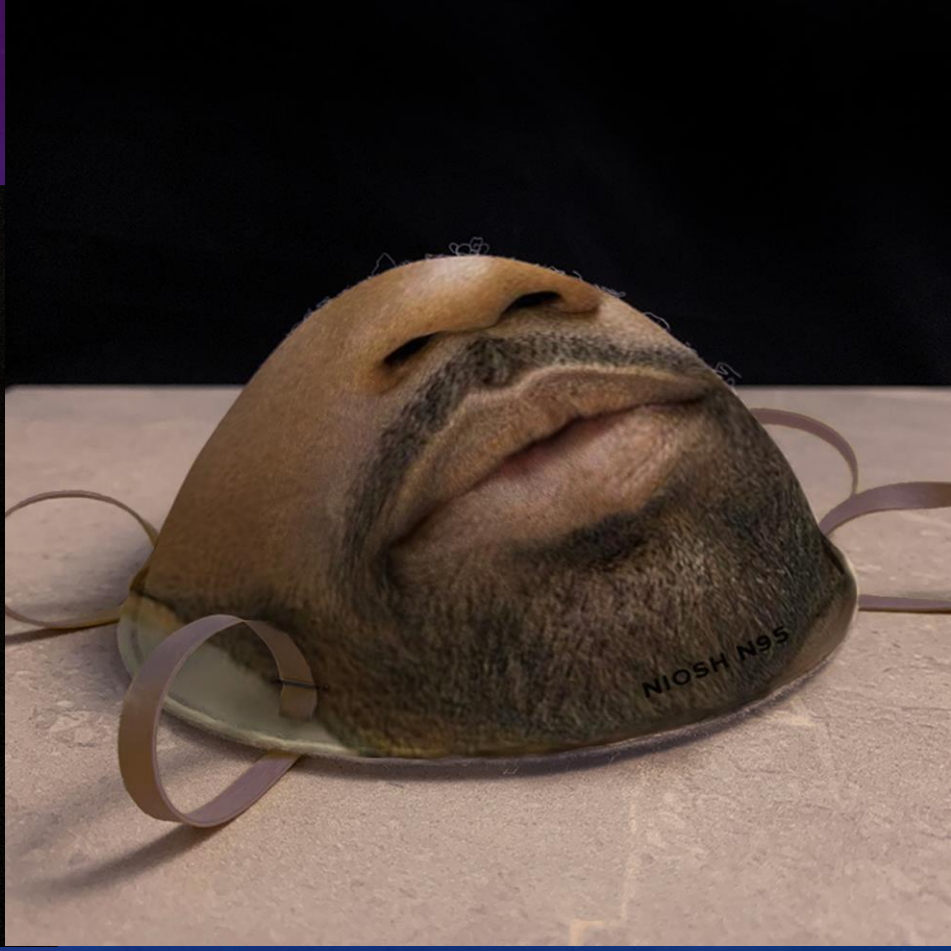
ALTERNATIVE MASKS TO PROTECT AGAINST CORONAVIRUS



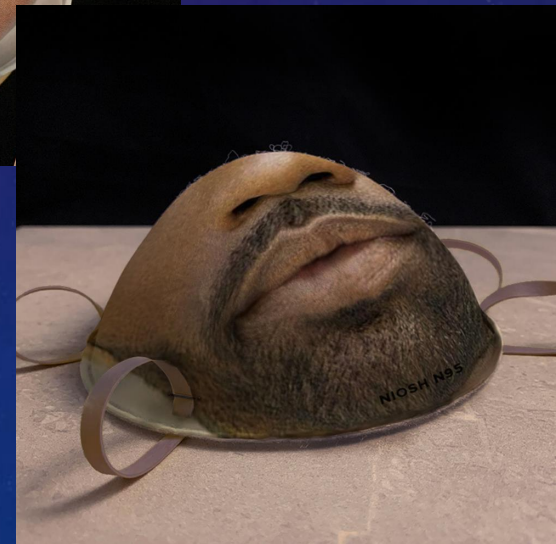
Read this article

https://www.dezeen.com/2020/02/17/alternative-coronavirus-masks-max-siedentopf/?li_source=LI&li_medium=bottom_block_1





FACIAL-RECOGNITION MASKS LET WEARERS UNLOCK THEIR PHONES



Read this article

https://www.dezeen.com/2020/02/27/face-recognition-masks-resting-risk-face/?li_source=LI&li_medium=bottom_block_1





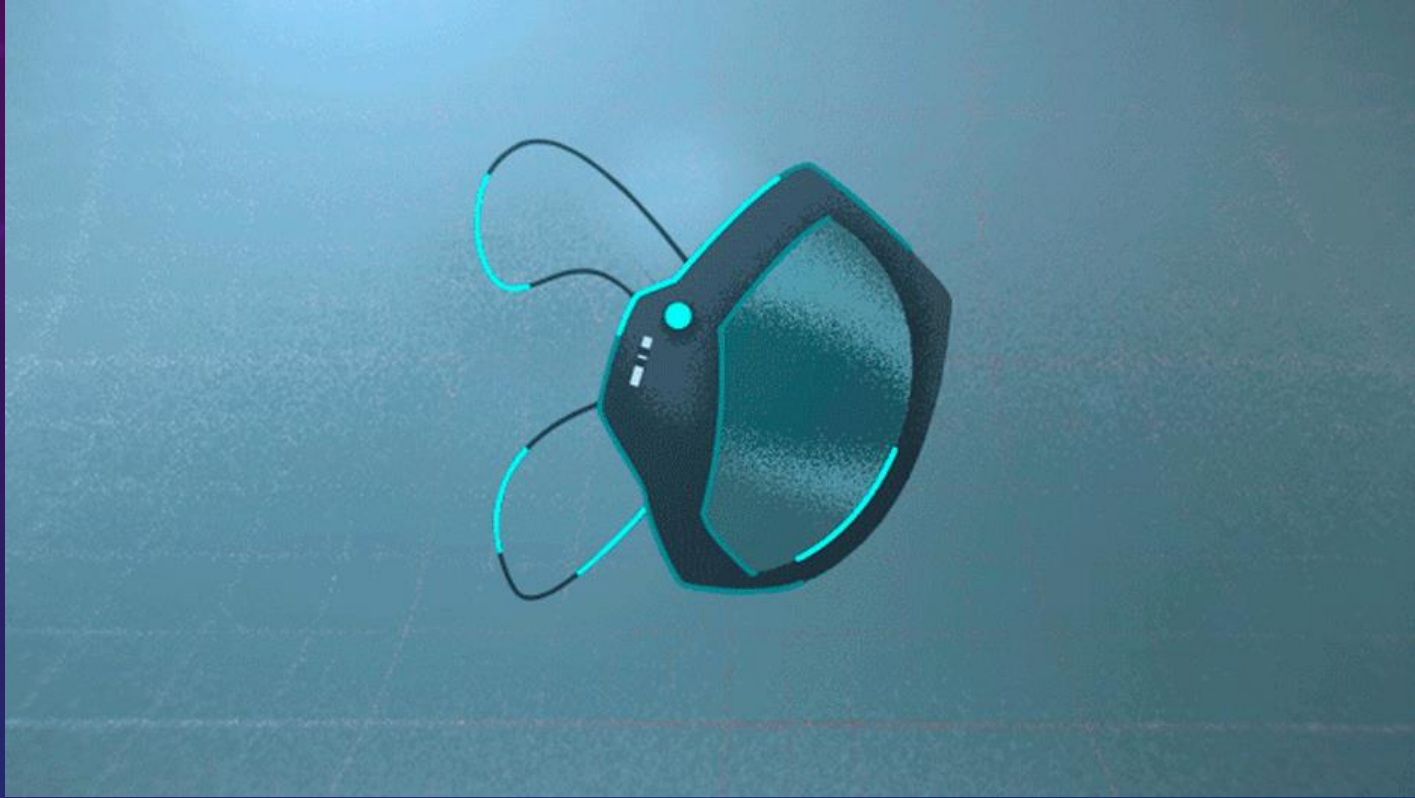
AIR-POLLUTION MASK IS DESIGNED TO APPEAL TO CHILDREN



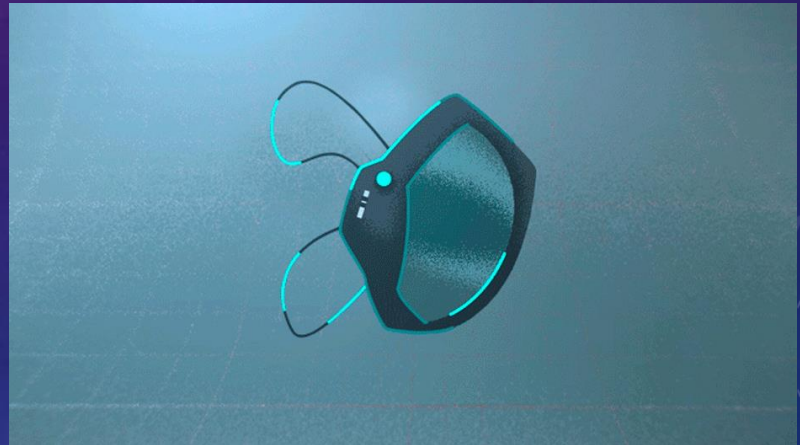
Read this article

<https://www.dezeen.com/2017/03/13/kilo-design-woobi-play-air-pollution-mask-protects-children-health-products/>



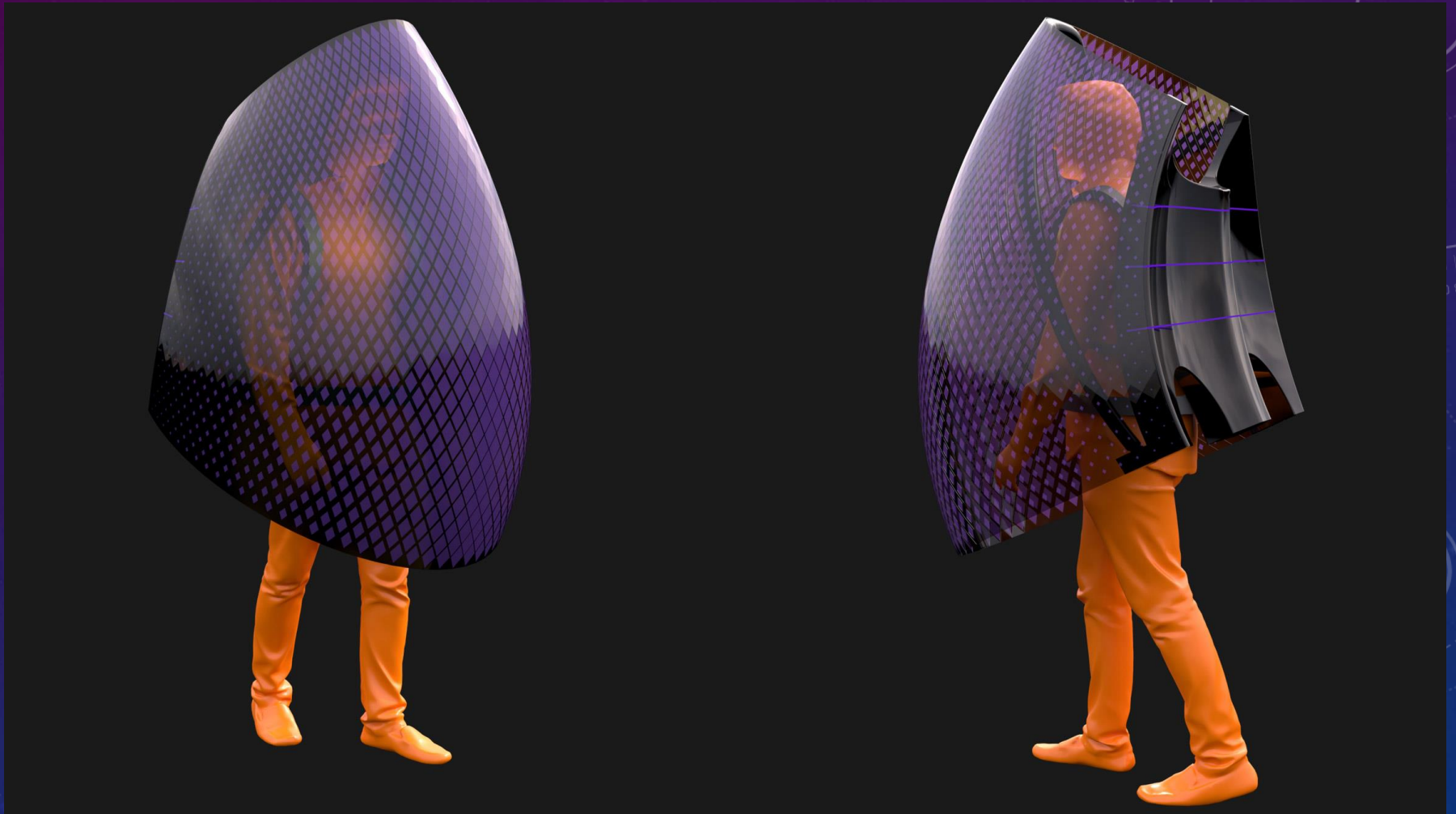


GUARDIAN G-VOLT MASKS WOULD USE GRAPHENE AND ELECTRICAL CHARGE TO REPEL VIRUSES AND BACTERIA



Read this article

https://www.dezeen.com/2020/03/06/guardian-g-volt-face-mask-graphene-coronavirus-bacteria/?li_source=LI&li_medium=bottom_block_1





perspective analysis 透视分析图

bones structure
支撑骨架

back structure
背托结构

ultraviolet light
紫外线消毒灯

bones structure
支撑骨架

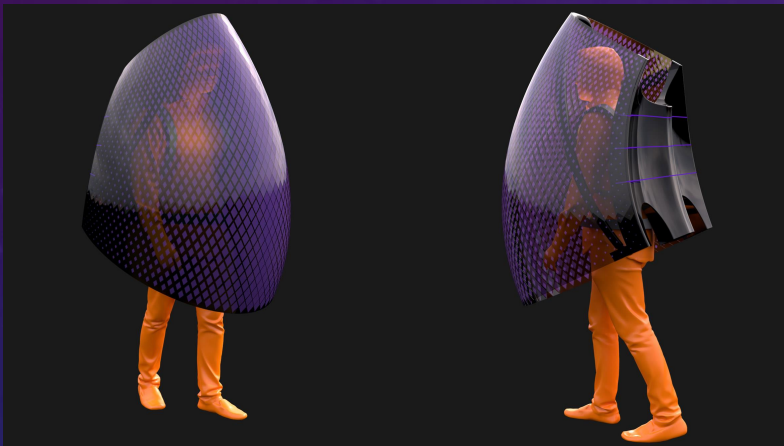
ultraviolet light
紫外线消毒灯

pvc film
PVC 膜



section analysis 剖面分析图

WEARABLE SHIELD TO PROTECT AGAINST CORONAVIRUS OUTBREAKS



Read this article

<https://www.dezeen.com/2020/02/26/sun-dayong-coronavirus-protection-shield/>





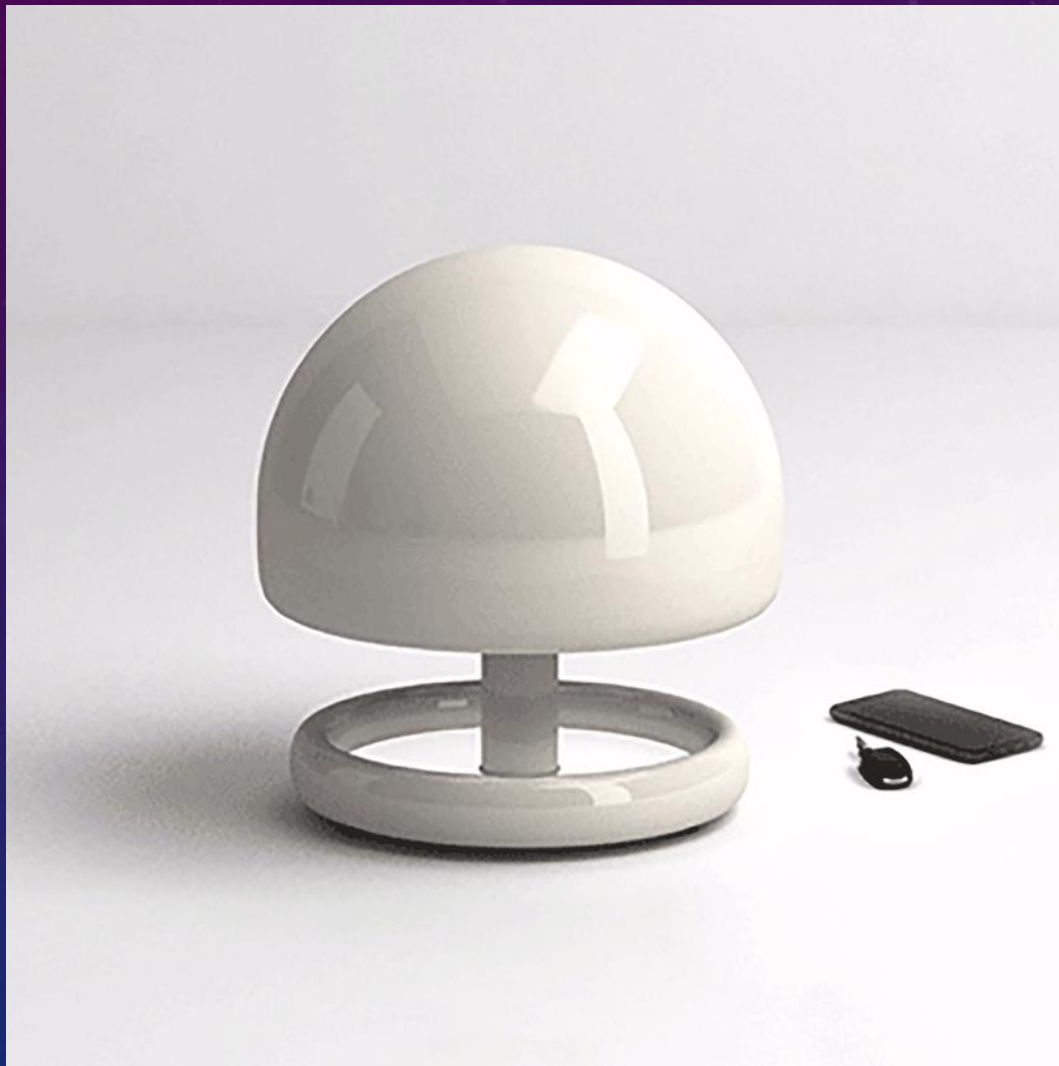
DRONES AND SELF-DRIVING ROBOTS USED TO FIGHT CORONAVIRUS IN CHINA



Read this article

<https://www.dezeen.com/2020/02/20/drones-robots-coronavirus-china-technology/>





CHINESE DESIGNERS DEVISE PRODUCTS FOR PROTECTION AGAINST CORONAVIRUS



Read this article

<https://www.dezeen.com/2020/03/09/coronavirus-protection-products/>

INDUSTRIAL DESIGN PROJECT

- Based on the discussion that we did in an online class, we want to redesign/reinvent existing products or create a new product.
- Any innovation or industrial design for a product that can help preventing coronavirus disease (mask, robot, drone, shield, bottle of hand sanitizer, devise, sensor)
- Start brainstorming, hand drawing, 3D modeling, then we will have presentations
- Schedule:
 - ✓ 4/02 Brainstorming
 - ✓ 4/16 Hand drawing
 - ✓ 4/23 3D modeling
 - ✓ 4/30 Presentations
- ❖ This will be a coursework project and open to City Tech community. Excellent design can be submitted to a conference/startup event in the future, as well as filed as a provisional patent through the CUNY Technology Commercialization Office (TCO)