

# PPE Production

Florida International University  
Miami Beach Urban Studios

John Stuart, 7/1/20



CARTA Innovation Lab for 3D printing, January 2020



# TOM:Florida International University

Established 2020



5 Members



University

## About the community

The TOM FIU community was established in 2020 and grew out of student and faculty initiatives and community partnerships with the FIU College of Communication, Architecture + The Arts (CARTA) Innovation Lab for 3D printing, which was generously sponsored by a 2015 Knight Foundation grant. Housed in FIU's Miami Beach Urban Studios, the community supports the university vision to achieve exceptional student-centered learning and upward economic mobility, produce meaningful research and creative activities, and lead transformative innovations locally and globally, resulting in recognition as a Top-50 public university.

January 2020

JOINED

DONATE

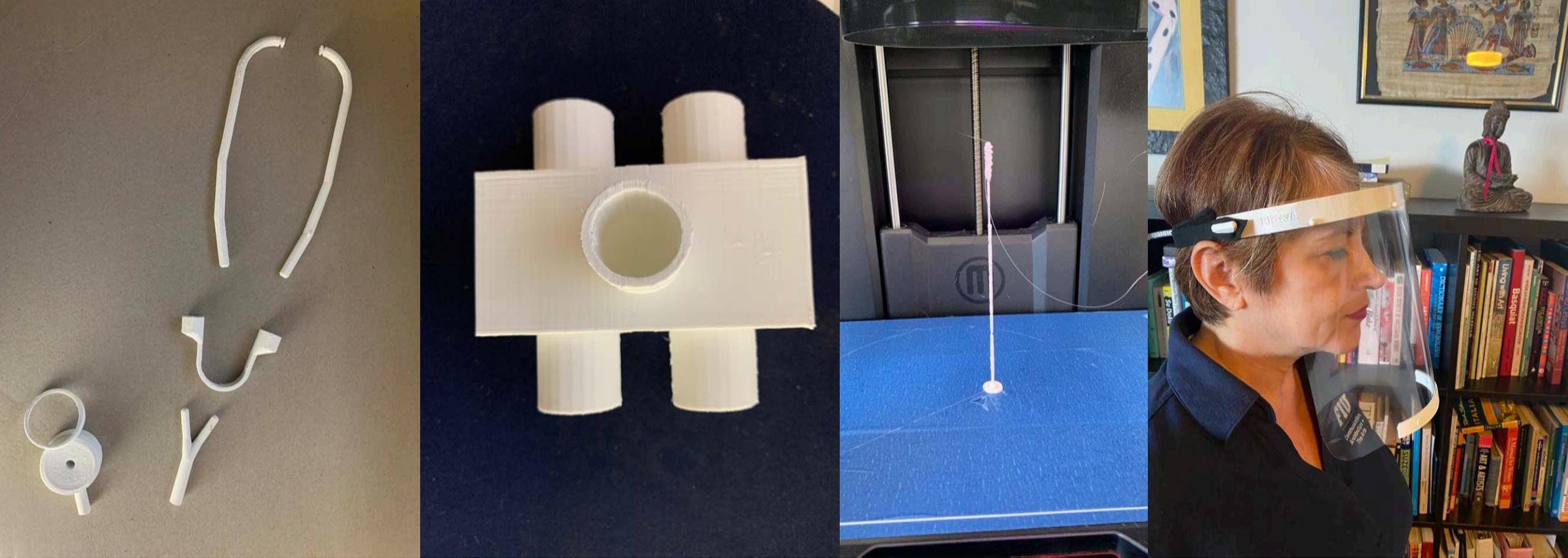


## Community Manager



John Stuart

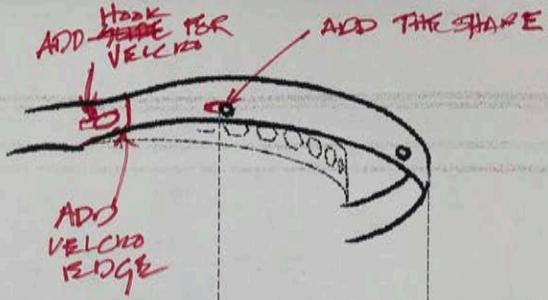
stuartj@fiu.edu



March 17–March 23, 2020: Options

Step 1:  
Attach Plastic Face Shield  
to Headband from left to right

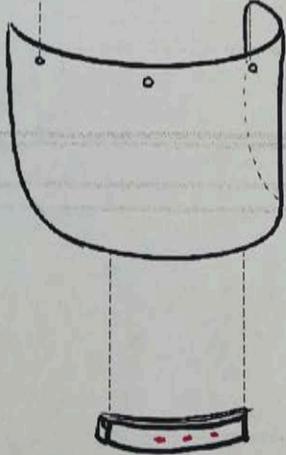
Tip: you may have to pull the  
shield tight to attach last peg



Step 2: Attach Plastic Bumper  
to bottom of Plastic Face Shield

~~CLICK INTO PEG~~

BUMPER



Step 3: Bring Headband over head  
and adjust back velcro strap

~~ATTACH VELCRO STRAPS~~

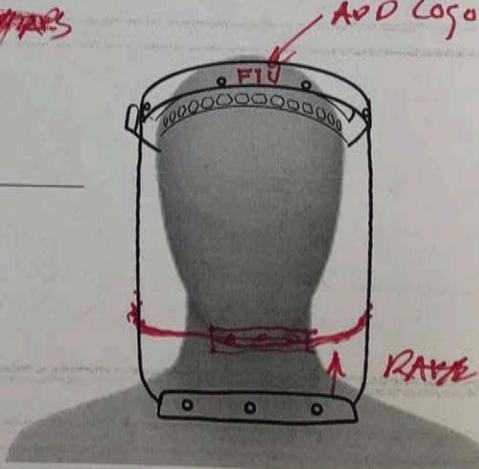
~~TO HEAD VELCRO STRAPS~~

STEP 3: ATTACH VELCRO STRAPS TO  
HOOKS ON HEADBAND AND  
ADJUST TO HEAD SIZE.

THANK YOU SO MUCH  
FOR YOUR SERVICE!

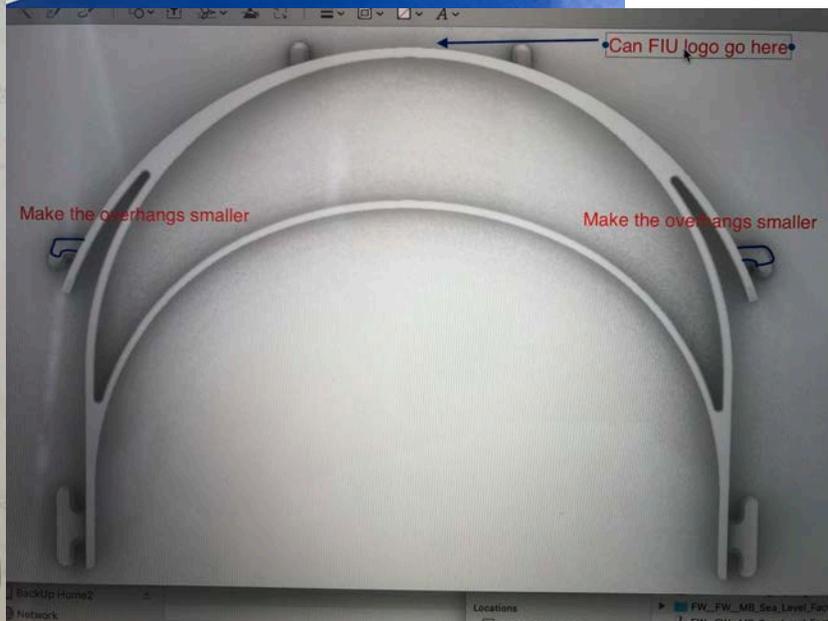
We thank you for your service!!!!

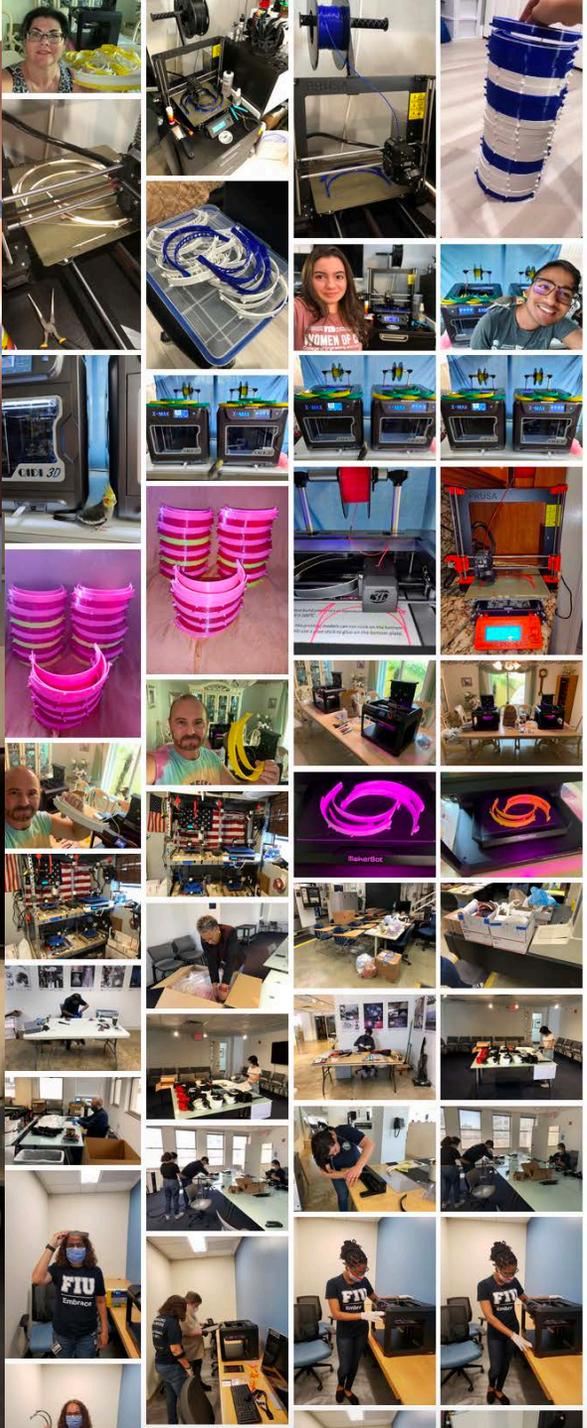
**FIU** FLORIDA  
INTERNATIONAL  
UNIVERSITY



218 5/11/19  
Rep + 33/14 / 5<sup>th</sup> Jan 21/5  
60 1 BY JARUNAY.  
18 by 8 pm  
+ 3/6 by Midnigh  
54 by midnigh

Design innovations:  
transform lab to factory







WHAT IS **FIU EMBRACE**?

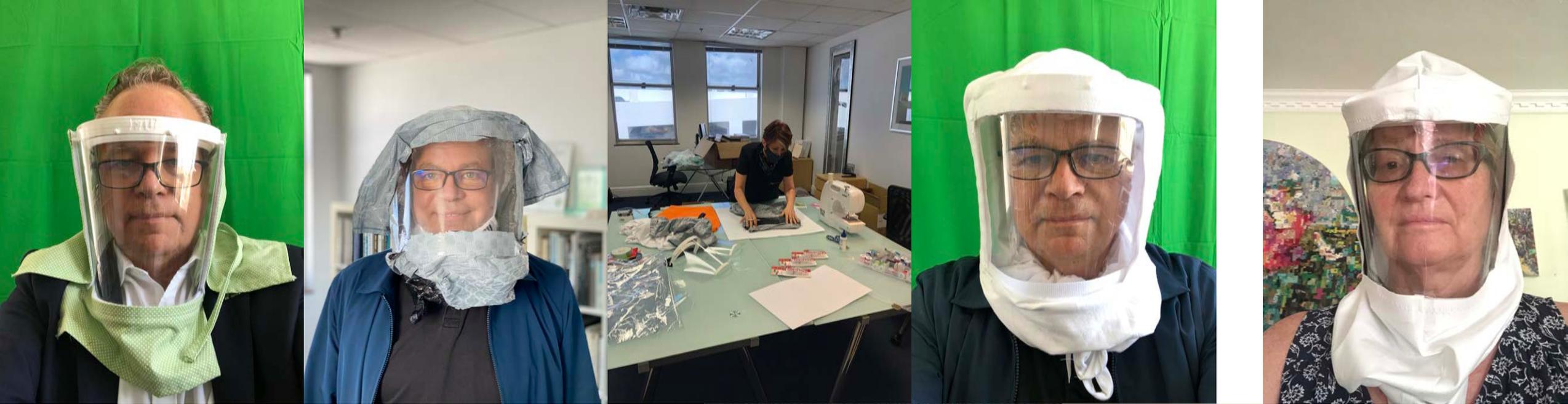


Communities Served  
Healthcare workers  
First Responders  
People with Special Needs  
Minority-owned  
Businesses



# Experiments





Now

FIU Face Shield/Mask Hybrid  
NSF RAPID (with Biayna)  
DOT Inclusive Design Challenge  
for automated vehicles



# Now What's Next?

- Implementing the new “FIU Workgroup for 3D Printing Just-In-Time Solutions” through Architecture and including with Nursing, Medicine, and Public Health
- New MOU with Nicklaus Children’s Hospital and FIU to explore mass customized 3D printing for children in healthcare settings.
- Working with FIU’s Department of Theatre to refine the Face Shield/Mask Hybrid.