PPE Production

Florida International University
Miami Beach Urban Studios

John Stuart, 7/1/20

CARTA Innovation Lab for 3D printing, January 2020
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.
March 17–March 23, 2020: Options
Design innovations: transform lab to factory
6,363 face shield kits
Communities Served

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