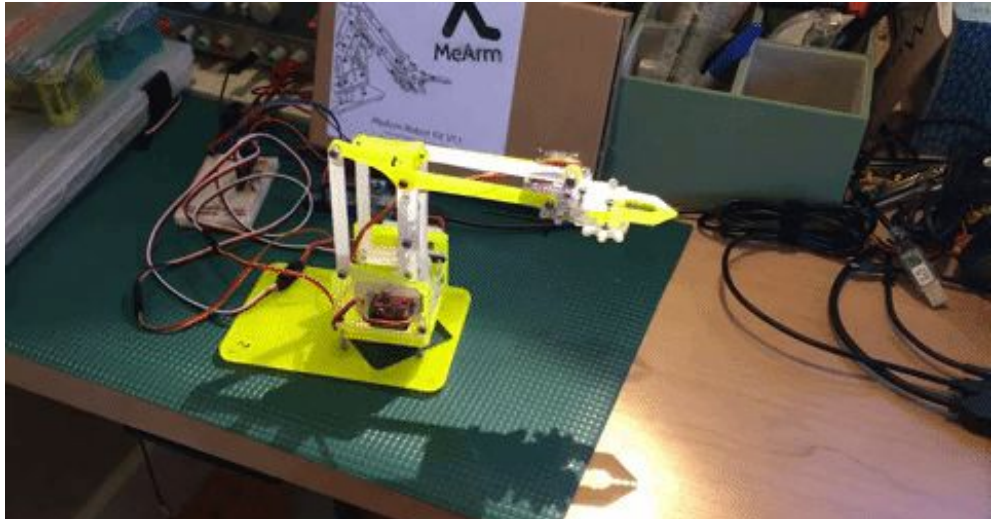
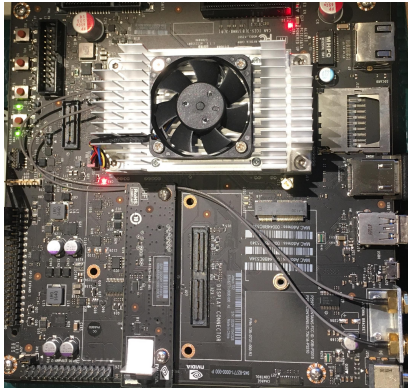
Judging Criteria: Quality of the Idea

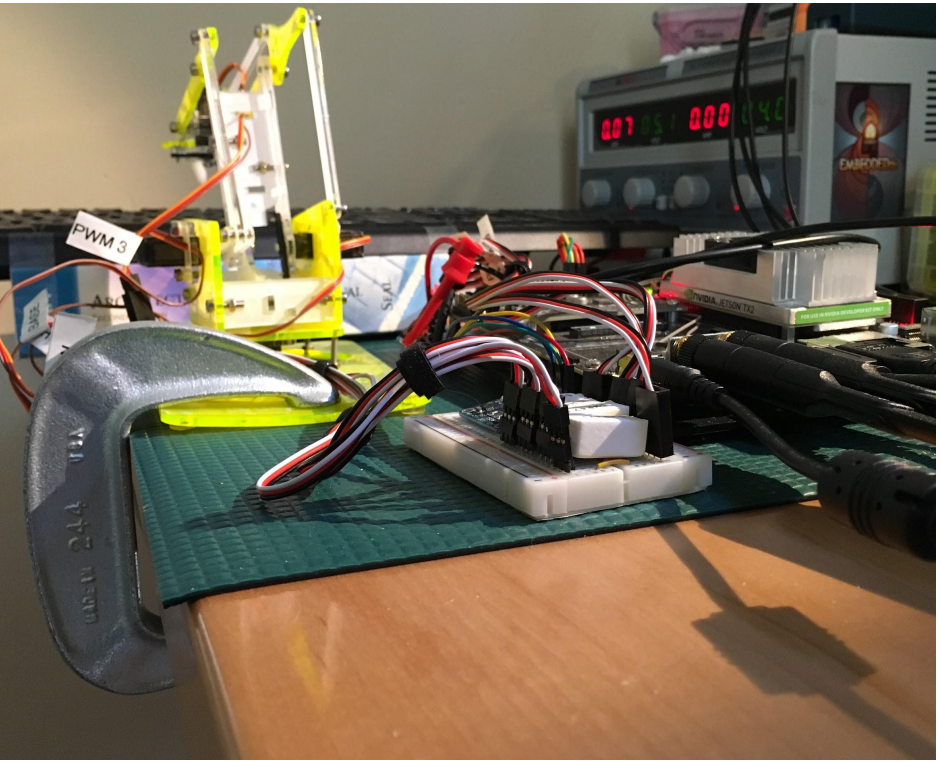
My concept of a typing robot is akin to performance art. It shows off so many pieces of technology and it shows their *possibilities*.

I chose to pair the unbelievable powerful development system (TX2) with a drastically underpowered robotic arm (MeArm, $50). Not only does this disparity lead to humor, it shows that software can be used to outsmart physical limitations.





Judging Criteria: Quality of Work



With my background in microcontrollers, I had a vision of the world that included ever smarter and more connected devices. The Jetson TX2 broke my worldview. Things that seemed years away from being possible became immediate and testable.

I didn't finish everything I'd hoped. I wish the system listened better and typed better. I wish I had more time to refine all the pieces to work more smoothly. I wish I'd written about the pocketsphinx and got its tuning dialed in better. This project will never be done. Not really.

However, I learned a lot about the NVIDIA Jetson TX2, machine learning, robotics, and computer vision.