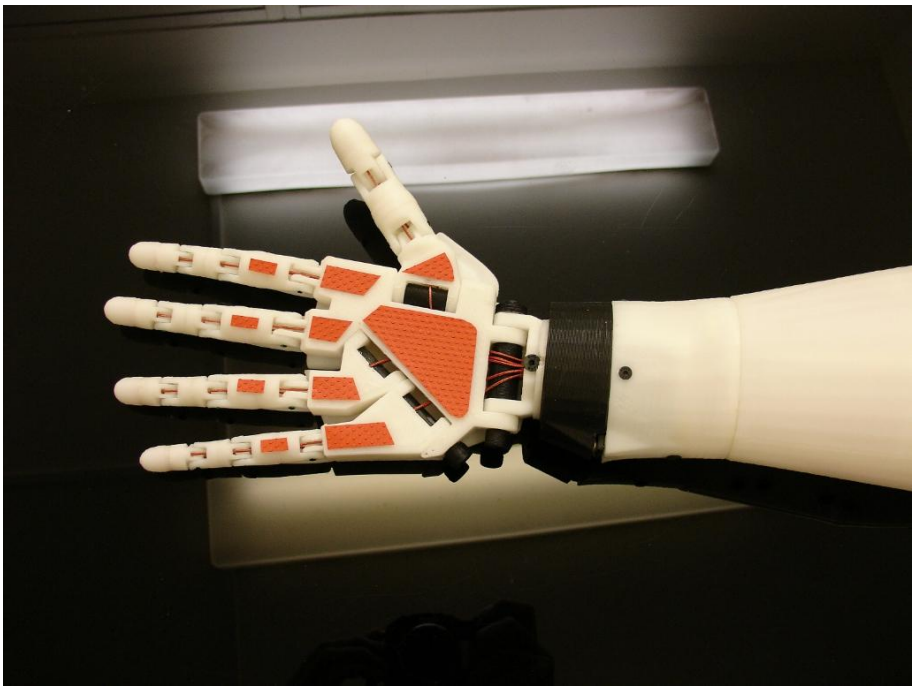
ECE 3710 FInal Project Proposal

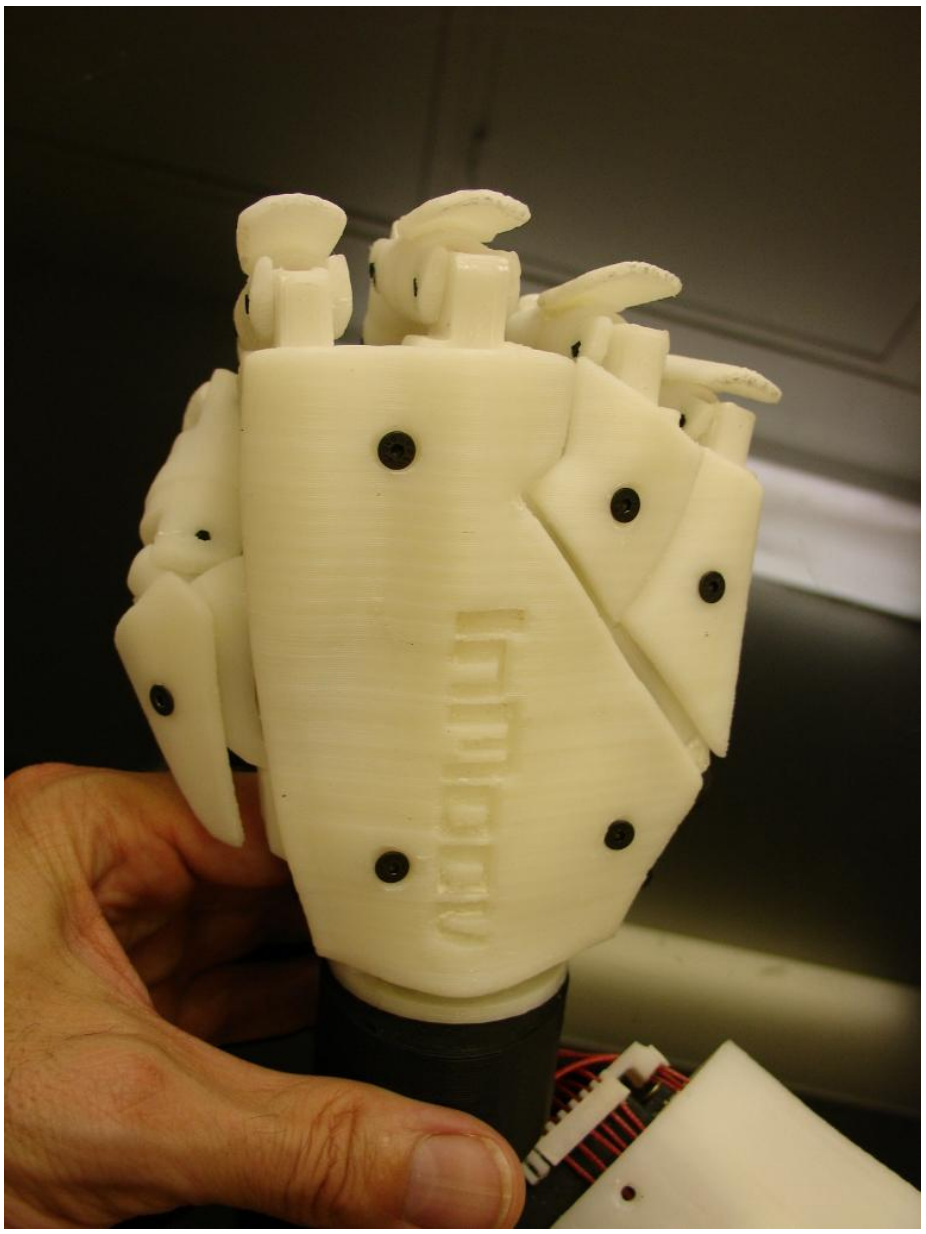
Wonyoung Chang
A02300761
Joe Pollock
A02272750

Our plan for our Final Project is creating a robotic hand that utilizes the provided buttons from our lab kit to demonstrate numerous hand gestures. The robotic hand will be created using the InMoov 3D-printable hand. InMoov is an open-source robot created by a French Sculptor and Designer. The hand will operate using servos inside of the arm to bend the fingers. The servos and the buttons will be connected to the microcontroller we used throughout the semester.

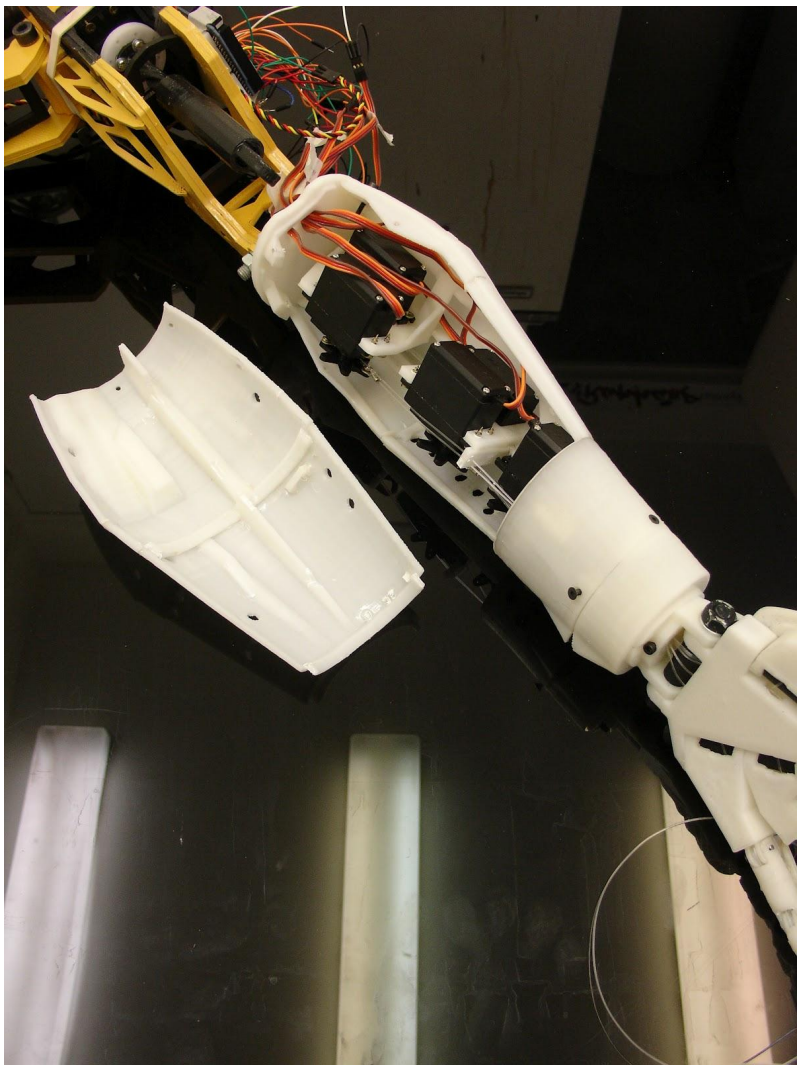
Below are pictures displaying our plans for the Final Project:



This image shows the front of the hand with the wires threading through the hand and into the forearm. The forearm houses the servo motors for operating the fingers.



This image shows the back of the hand. This is how the hand will look when presented in a close fist.



This image shows the forearm opened up to expose the servo motors. Although, this picture shows a yellow contraption hooked up to the arm, our arm will be hooked up to our microcontroller instead.

https://inmoov.fr/hand-and-forarm/