



Choudhury Noor
EE'18

Clarisse Poserio
EE'18

Jack Zhengh
EE'18

Professor Carl Sable
FACULTY ADVISOR

PIANO GLOVES

Transitional Pianos are expensive, bulky and hard to transport. Our Piano Gloves offer a cheap, easy to store and easy to carry alternative by allowing a user to simulate playing a piano on any flat surface with only the gloves, surrounding sensors, and an optional paper print-out of a piano. Ultrasonic transceivers perform the position triangulation of each finger, while a processor synthesizes the correct audio notes when triggered by pressure sensors. The entire system can be neatly packed up into a drawer when the user is done playing.