

## System Overview

MyMoves is a platform where artists define a general style of art and exact renditions of their art-pieces depend on users' body movements



**Everyday Users**

-Phones/Wearables

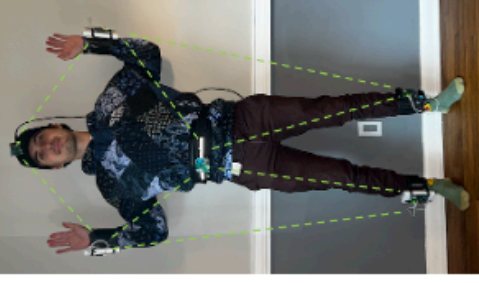


**Dancers, Performers, Athletes**

-Specialized 6-UWB System



## Data Collection



### 6-UWB Setup

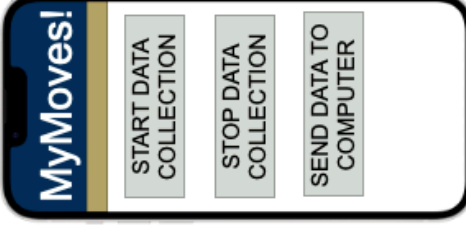
- 2-way-ranging collects distances

### Smart Phone App

- Records IMU data while screen is off

### Desktop Unit

- Receives data live or at the end of day



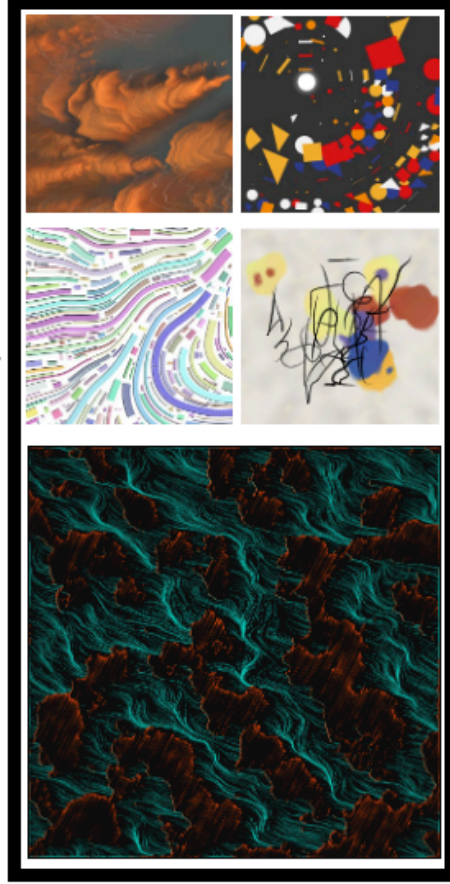
## Artist and Research Platform



- Processing library gives artists activity predictions and sensor statistics (mean, var, etc.)
- Uploaded artwork is parameterized by said values



- Researchers upload activity recognition models
- Users can report on the accuracy of predictions



Gallery of artwork procedurally generated from processed sensor data