

SensorTile program:

The “main.c” program can be copy-pasted into an ALLMEMS1 SensorTile project.

On line 254 of main.c:

Set TestType to 1 for Terminal Application Testing

Set TestType to 2 for Azure Machine Learning Model Testing

Make sure the ST BLE app is running on a smartphone and connected to the SensorTile.

Primary Model - Azure Machine Learning in Jupyter Notebooks:

Install Json, Pyserial, and Python.

Run the SmartGrip Azure Model.ipynb notebook. You may need to run the lines a few times as the SensorTile starts up.

Secondary Model - Logistic Regression in Google Colab Notebook:

Install Python.

Run the logistic_regression_model.ipynb notebook.

Due to this being a secondary model, we did not run in conjunction with the SensorTile.