



```
graph LR; A[IMU Sensor] --> B[Neural Network (ResNet)]; B --> C[Output (Motion trajectory over time)]
```

IMU Sensor

This diagram illustrates a sequential process. It begins with a light blue rectangular box on the left labeled 'IMU Sensor'. A black arrow points from this box to a central, larger, light red rounded rectangular box labeled 'Neural Network (ResNet)'. Another black arrow points from the red box to a light green rectangular box on the right labeled 'Output (Motion trajectory over time)'.

**Neural Network
(ResNet)**

Output
(Motion trajectory over time)