Yu-Ting Chung

Weekly Report
5/10 – 5/16

- Studied visual SLAM algorithms.
- Looked for existing SLAM algorithms using only a camera.
  - Found monocular SLAM, which using only image data for mapping and localization. There are some existing open source C++ libraries based on monocular SLAM such as ORB-SLAM2, SERVO, and MonoSLAM. Will explore more about these libraries to find one suits for Raspberry Pi.
- Setup environment for using C++ OpenCV since all the existing libraries are required OpenCV, and OpenCV 2 is more popular for image processing (OpenCV version: 2.4.13.6)