|  | Item | Version | description |
|---|---|---|---|
| OS | JetPack | 4.3 | Ubuntu, cuda-nn, python<br>https://jetbot.org/v0.4.3/software_setup/sd_card.html |
| | JetBot | | PyTorch |
| NN framework | PyTorch | | Comes together with JetBot |
| | tensorRT | | |
| Sensor data collection python | Raspberry Pi Camera | | |
| | Lidar | | |
| Vision NN | Joint detection | | |
| | Object tracking | | |
| | Face recognition | | |
| | Action recognition | | |
| Control NN | Motion policy network | | Trained using RL (PPO-AC) |
| | Main control | | |