

Raspberry Pi

Pieter P

Installation and Setup

Installation of Ubuntu Server 20.04 and configuring the WiFi using Netplan and mDNS.

Python Development

Setting up Visual Studio Code to develop Python code for the Raspberry Pi remotely.

Ubuntu to Raspberry Pi OS Cross C++ Development

Raspberry Pi C++ development and cross-compilation on an Ubuntu machine, targeting a Raspberry Pi running Raspberry Pi OS.

Ubuntu to Ubuntu Cross C++ Development

Raspberry Pi C++ development and cross-compilation on an Ubuntu machine, targeting a Raspberry Pi running Ubuntu.

C++ Development using Docker

Raspberry Pi C++ development and cross-compilation of commonly used libraries (such as OpenCV), built from scratch using crosstool-ng and Docker.

NEON

Some algorithms and experiments for speeding up code using the Raspberry Pi's NEON SIMD units.