

# Raspberry Pi

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## 📁 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.

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