

# abstract

myCar is a collection of different software products with own development work added. In the following overview, not all components are listed, but the main ones which are explicitly configured.

## Component overview

### Armbian

Armbian is the OS for this project. Additional software has to be installed to work properly.

<https://www.armbian.com/orange-pi-zero/>

### Install required components

#### obdgpslogger





#### hostapd

#### rfcomm

#### gpsd

### Python3

Libraries required for the application server, installed via pip:

-  `<label bundled>configparser`  
<https://docs.python.org/3.5/library/configparser.html> `</label>`
-  `<label pip>bluew` <https://nullp0tr.github.io/bluew/> `</label>`
-  `<label pip>python-wifi` <http://pythonwifi.tuxfamily.org/> `</label>`
-  `<label pip>flask` <http://flask.pocoo.org/docs/1.0/> `</label>`

# Application Server

## flask

Flask is the python application server used for providing the web interface and the API to controll the myCar unit. Documentation for Flask could be found under <http://flask.pocoo.org/docs/1.0/>.

## Jinja2 Templates

Jinja2 Templates implementing the Webfrontend templating system. Information could be obtained from here: <http://jinja.pocoo.org/> and the integration with flask from here: <http://flask.pocoo.org/docs/1.0/templating/>

## pure CSS

Pure CSS is the CSS implementation for responsiveness and style. It is bundled and delivered with the pplication server. Information could be obtained from here: <https://purecss.io/>

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