

Introduction

Our goal is to implement a self-driving car, which learns via behavioural cloning. For this task we use the environment given by udacity's „self-driving car“ [1]. To evaluate our results we train and test our car on different tracks.



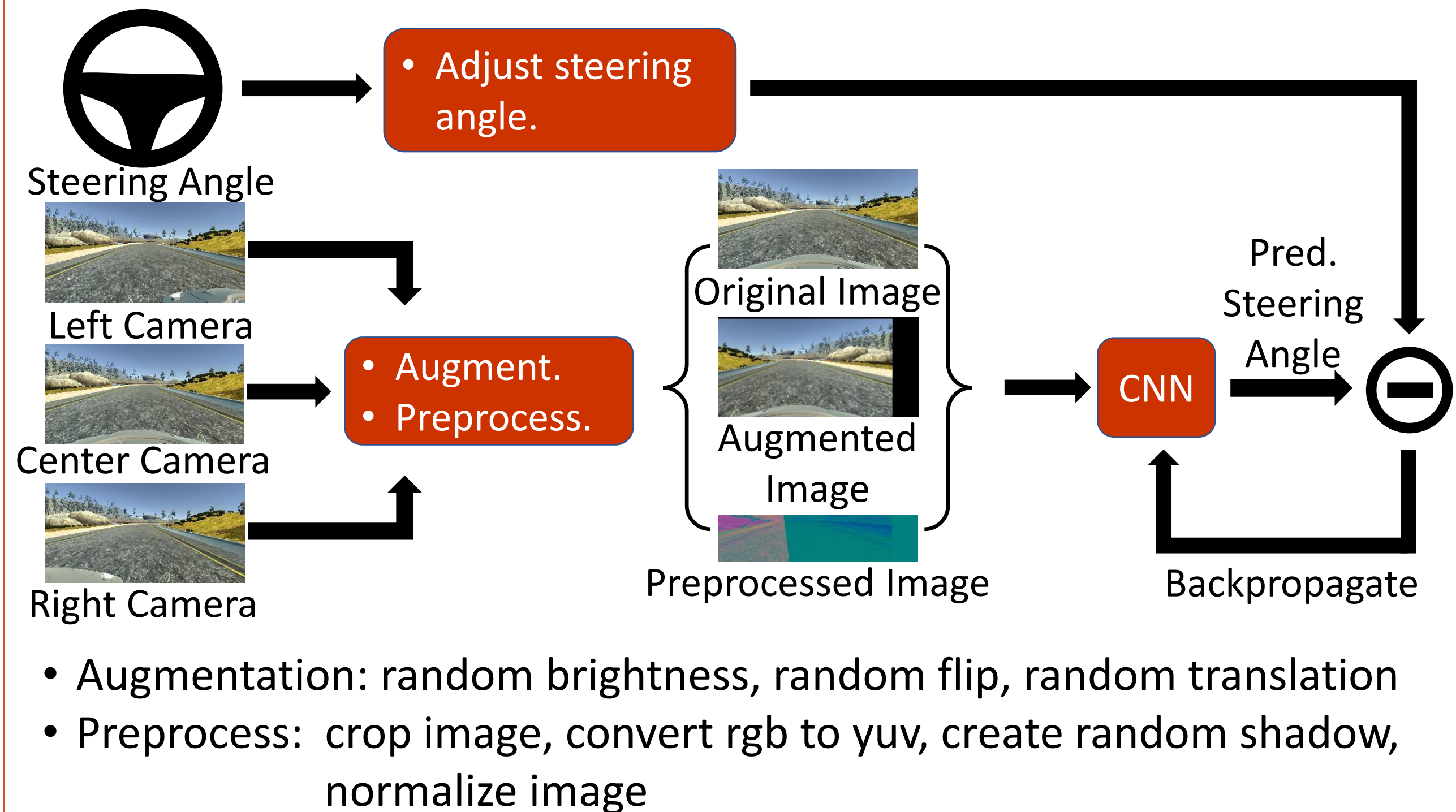
Training track



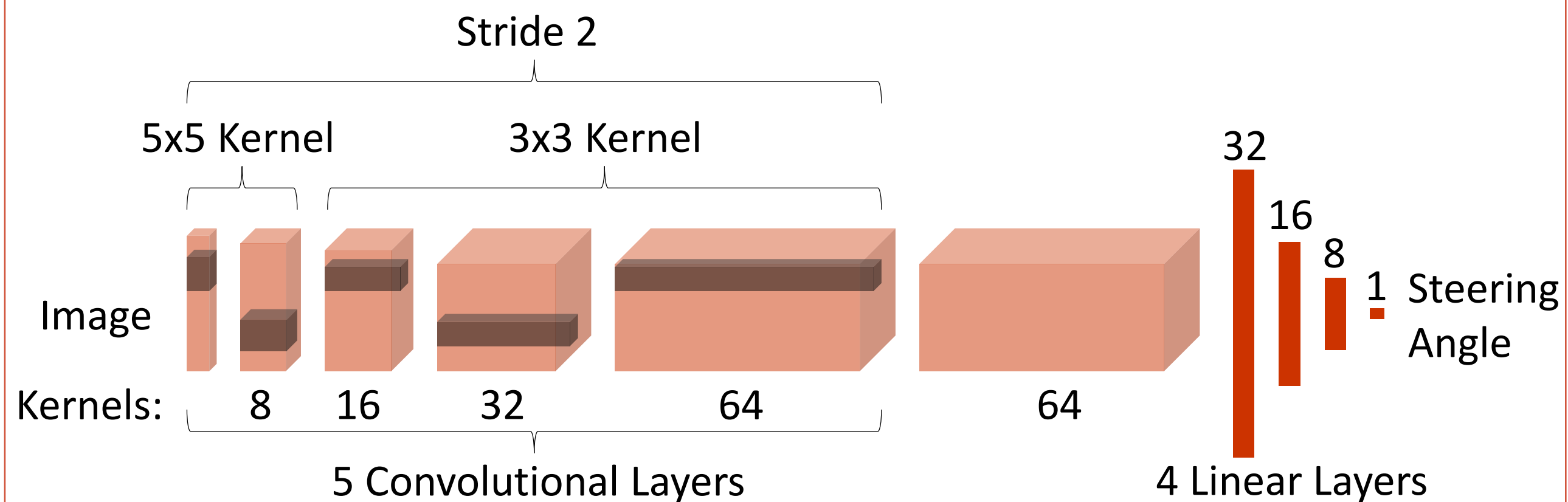
Test track

[1] <https://github.com/udacity/self-driving-car>

Processing Pipeline



Network Architecture



Results

- Overall good performance.
- Drives without problems on training track.
- Drives good on shown test track.
- Outlook: Train car to recover from crashes/off-road