

# Bringing semantic segmentation to DuckieTown

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15.04.2019

## 1 Introduction

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What is semantic segmentation

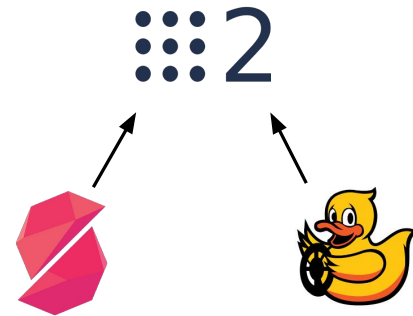


# Problem statement

Get the accurate neural network for semantic segmentation for DuckieTown,

# Environment description

- Duckietown environment
- LGSVL Simulator
- ROS2



# Significance of Research

- Hands-on Deep Learning research
- Algorithms and techniques that are actually used in self-driving vehicles
- Possible contribution to ROS2 platform, which is currently under heavy-development

# Proposed solution

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- Hack the simulator to change the textures

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- Get the training data

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# Possible SW architecture

Sw part

## Make DuckieTown great again!

