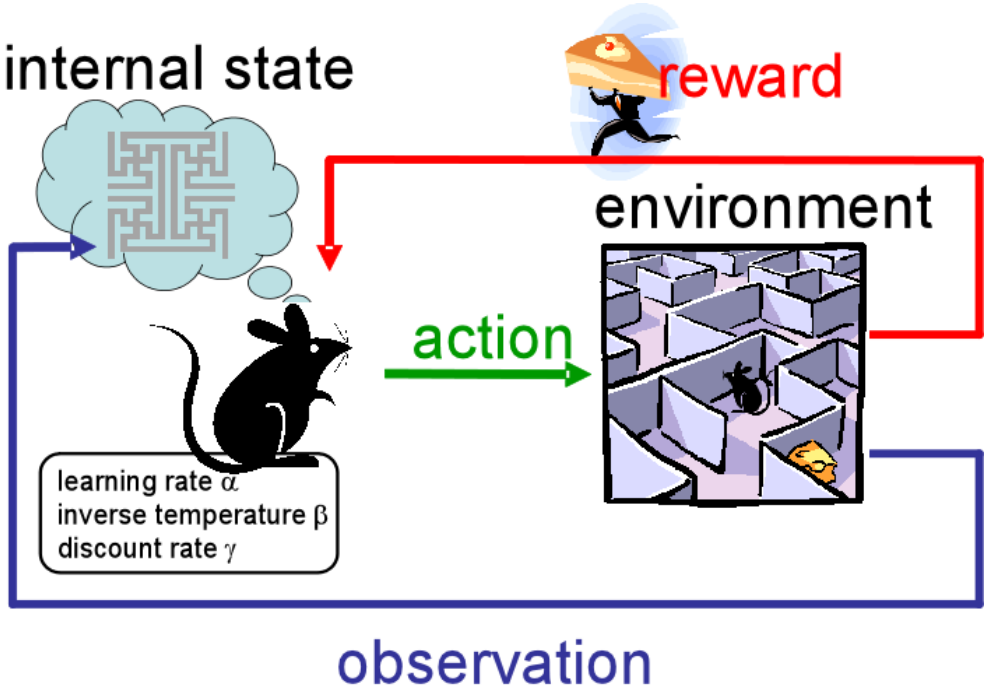
Aarhus University Department of Engineering 2017

Thesis

Title of project



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Project title:

Project Title has to be here

Project:

Master's thesis

Project period:

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Projekt group:

Do we have a number?

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Supervisor:

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Contents

Chapter 1

Project Definition

This project is about learning a car or robot to control and navigate it self. This should be done so the robot don't hit walls or obstacles. To do this a system is created. This system is created as inspiration from [1]
Can be seen on Figure 1.1.

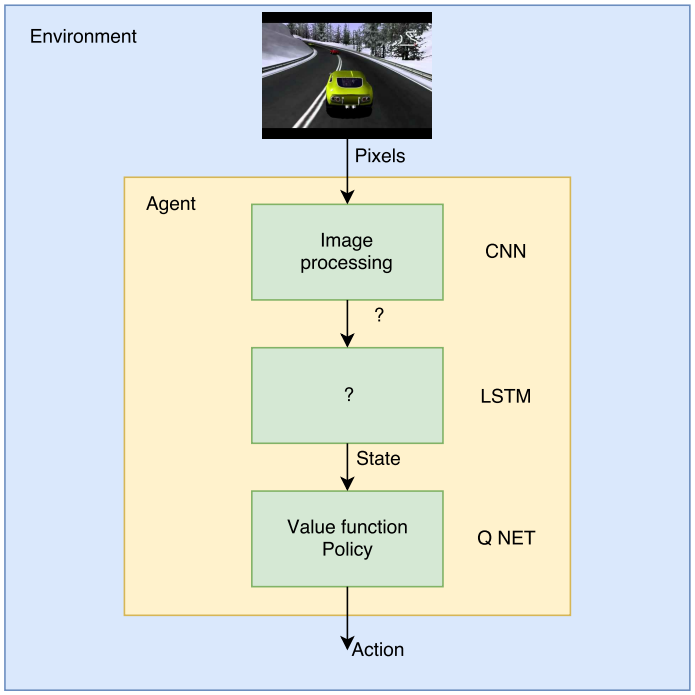

Figure 1.1: *The block diagram of the system*

Chapter 2

Theory

This is theory about everything

2.1 CNN

CNN is here

2.2 Recurrent Neural Networks

...

2.2.1 Long Short Term Memory

...

2.3 Reinforcement Learning

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2.3.1 Value Function

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2.3.2 Policy Gradients

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2.3.3 Actor Critic

...

Bibliography

[1] V. Mnih, A. P. Badia, M. Mirza, A. Graves, T. P. Lillicrap, T. Harley, D. Silver, and K. Kavukcuoglu, "Asynchronous methods for deep reinforcement learning," *CoRR*, vol. abs/1602.01783, 2016. [Online]. Available: http://arxiv.org/abs/1602.01783