



Università degli Studi di Salerno
Dipartimento di Informatica

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Informatica

Adversarial Attacks on Vision-based Deep Neural Networks in Autonomous Driving Vehicles

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Abstract

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List of Acronyms and Abbreviations

Chapter 1

Introduction

Chapters

- Testing in the software development life cycle
- Limitations of traditional Testing
- Test Driven Development with its advantages and integrations with the agile model

Chapter 2

Problem formulation

2.1 Software Development Lifecycle

2.1.1 Introduction

General introduction on what SDL is ...

2.1.2 The waterfall model

Start with the introduction of the waterfall model with a focus on its limitations (i.e. lack of feedback from the client, no possibility to revision requirements, etc...)

2.1.3 Agile techniques

Extreme programming, CI/CD, DevOps, ...

2.1.4 Test Driven Development

Comparison with other agile methods

2.2 Testing embedded systems

2.2.1 Introduction

Reference the old survey papers (i.e. X in the loop)

2.2.2 Test Driven Development fro Embedded systems

Reference to "TDD fro Embedded C" and other books/papers

Chapter 3

Literature

Chapter 4

Conclusions

Bibliography

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