



**Hewlett Packard
Enterprise**



Performance Optimization of Deep Learning Applications using TVM Compiler

PROJECT THESIS II / T2000

for the study program
Computer Science

at the
Baden-Wuerttemberg Cooperative State University Stuttgart

by
Dominik Stiller

| | |
|-------------------------------------|----------------------------|
| Date | September 2019 |
| Project Period | 18 Weeks |
| Matriculation Number, Course | 4369179, TINF17A |
| Company | Hewlett Packard Enterprise |
| Corporate Supervisor | Puneet Sharma |
| University Supervisor | Prof. Dr. Dirk Reichardt |

Declaration of Authorship

I hereby declare that the thesis submitted with the title *Performance Optimization of Deep Learning Applications using TVM Compiler* is my own unaided work. All direct or indirect sources used are acknowledged as references.

Neither this nor a similar work has been presented to an examination committee or published.

Sindelfingen September 3rd, 2019

Place

Date

Dominik Stiller

Abstract

Lorem Ipsum

Contents

| | |
|-----------------------------|-------------|
| List of Figures | VI |
| List of Tables | VII |
| List of Source Codes | VIII |
| 1 Introduction | 1 |
| 1.1 Introduction | 1 |

List of Figures

List of Tables

List of Source Codes

1 Introduction

1.1 Introduction

