Contents

Preface viii

Acknowledgments xii

1 The AI Revolution 1

2 The Fundamentals of AI 11

3 A Few Good Algorithms 37

4 Neural Networks 61

5 AI That Reads and Writes 79

6 Transformers and Large Language Models 99

7 Machine Vision 125

8 Generative Models 157

9 AI That Recommends Stuff 185

10 Building Intelligence: The Complete AI Project Guide 203

Closing Thoughts 223

Notes 225

Index 232

About the Author 240