## CONTENTS

PREFACE	ix
Chapter I.	IF WE SUCCEED 1
Chapter 2.	INTELLIGENCE IN HUMANS AND MACHINES 1
Chapter 3.	HOW MIGHT AI PROGRESS IN THE FUTURE? 62
Chapter 4.	MISUSES OF AI 103
Chapter 5.	OVERLY INTELLIGENT AI 132
Chapter 6.	THE NOT-SO-GREAT AI DEBATE 145
Chapter 7.	AI: A DIFFERENT APPROACH 171
Chapter 8.	PROVABLY BENEFICIAL AI 184
Chapter 9.	COMPLICATIONS: US 211
Chapter 10.	PROBLEM SOLVED? 246
Appendix A.	SEARCHING FOR SOLUTIONS 257
Appendix B.	KNOWLEDGE AND LOGIC 267
Appendix C.	UNCERTAINTY AND PROBABILITY 273
Annendiy D	LEARNING FROM EXPERIENCE 285

Acknowledgments 297
Notes 299
Image Credits 324
Index 325