

BRIEF CONTENTS

Acknowledgments	xiii
Introduction	xv
Chapter 1: Problem-Solving With Algorithms	1
Chapter 2: Algorithms in History	13
Chapter 3: Maximizing and Minimizing	35
Chapter 4: Sorting and Searching	51
Chapter 5: Pure Math	77
Chapter 6: Advanced Optimization	101
Chapter 7: Geometry	125
Chapter 8: Language	149
Chapter 9: Machine Learning	165
Chapter 10: Artificial Intelligence.	185
Chapter 11: Forging Ahead	201
Index	215