

# Contents

Preface vii

Acknowledgments xi

**Chapter 1** Introducing Python 1

**Chapter 2** Working with Python editors 15

**Chapter 3** Geoprocessing in ArcGIS Pro 51

**Chapter 4** Learning Python language fundamentals 85

**Chapter 5** Geoprocessing using Python 155

**Chapter 6** Exploring spatial data 193

**Chapter 7** Debugging and error handling 219

**Chapter 8** Manipulating spatial and tabular data 247

**Chapter 9** Working with geometries 287

**Chapter 10** Working with rasters 313

**Chapter 11** Map scripting 351

Index 393