

BARE METAL C. Copyright © 2022 by Stephen Oualline.

All rights reserved. No part of this work may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage or retrieval system, without the prior written permission of the copyright owner and the publisher.

Printed in the United States of America

First printing

26 25 24 23 22 1 2 3 4 5

ISBN-13: 978-1-7185-0162-1 (print)

ISBN-13: 978-1-7185-0163-8 (ebook)

Publisher: William Pollock

Managing Editor: Jill Franklin

Production Manager: Rachel Monaghan

Production Editor: Jennifer Kepler

Developmental Editors: Jill Franklin and Frances Saux

Cover Illustrator: Gina Redman

Interior Design: Octopod Studios

Technical Reviewer: Frank Duignan

Copyeditor: Bart Reed

Compositor: Ashley McKeivitt, Happenstance Type-O-Rama

Proofreader: Rachel Head

For information on distribution, bulk sales, corporate sales, or translations, please contact No Starch Press, Inc. directly at info@nostarch.com or:

No Starch Press, Inc.

245 8th Street, San Francisco, CA 94103

phone: 1.415.863.9900

www.nostarch.com

Library of Congress Cataloging-in-Publication Data

Names: Oualline, Steve, author.

Title: Bare metal C : embedded programming for the real world / Stephen Oualline.

Description: San Francisco : No Starch Press, [2022] | Includes index.

Identifiers: LCCN 2021049830 (print) | LCCN 2021049831 (ebook) | ISBN 9781718501621 (paperback) | ISBN 9781718501638 (ebook)

Subjects: LCSH: C (Computer program language) | Embedded computer systems--Programming.

Classification: LCC QA76.73.C15 O835 2022 (print) | LCC QA76.73.C15 (ebook) | DDC 005.13/3--dc23/eng/20211105

LC record available at <https://lcn.loc.gov/2021049830>

LC ebook record available at <https://lcn.loc.gov/2021049831>

No Starch Press and the No Starch Press logo are registered trademarks of No Starch Press, Inc. Other product and company names mentioned herein may be the trademarks of their respective owners. Rather than use a trademark symbol with every occurrence of a trademarked name, we are using the names only in an editorial fashion and to the benefit of the trademark owner, with no intention of infringement of the trademark.

The information in this book is distributed on an “As Is” basis, without warranty. While every precaution has been taken in the preparation of this work, neither the author nor No Starch Press, Inc. shall have any liability to any person or entity with respect to any loss or damage caused or alleged to be caused directly or indirectly by the information contained in it.