

Content Development

I have 30 years of experience writing software and hardware documentation for engineering audiences.

EDA Software

I spent 9 years at Valid (later Cadence) as a staff and contract writer. I wrote online documentation for UNIX Electronic Design Automation (EDA) software as both a project leader and an individual contributor. I also conducted usability tests of online help systems. I documented schematic and layout synthesizers, circuit simulators, translators, and IC layout design products.

For other EDA clients, I have documented verification, analog circuit synthesis, yield improvement, mixed-signal simulation, and FPGA software products.

Software APIs

I have documented C, C++, Java, COM/ActiveX, Tcl, and Cadence SKILL (Lisp) APIs. I have worked with JavaDoc and Doxygen.

Semiconductor Manufacturing Software and Hardware

I documented semiconductor equipment process control products and wrote the patent disclosures for those products. I also documented data collection software for semiconductor manufacturing equipment, test equipment, and test software.

Data Storage and Deduplication

At Data Domain and EMC, I wrote reference, repair, and application documentation for data storage products.

Medical, Telephony, and Audio Processing

At Disonics (later Toshiba), I wrote specifications and operator manuals for medical imaging systems. At Cisco, I wrote API documentation for IP phone call control software. At Dolby Laboratories, I wrote audio processing SDK documentation.

DITA Migration, XML, and XSLT

I began working with SGML in 1995 and with XML in the 2000's. I have worked with DITA, DocBook, NLM, and custom DTDs. I am a Structured FrameMaker expert. I know the SDL and EasyDITA content management systems, and the XMetaL and oXygen XML editors. Recently I have specialized in helping clients migrate content to DITA and other XML standards:

- Converting badly-structured HTML documentation for a C database API into DocBook XML content for the equivalent C++ API, using XSLT scripts that I wrote.
- Converting 3,000 pages of unstructured FrameMaker content to DITA via Structured FrameMaker and custom XSLT.
- Converting Word content to DITA for SDK products, identifying reuse opportunities across the documentation, and helping the client refine and implement a reuse strategy.

55 Highland St.
Asheville, NC 28801

Steve Homer Consulting LLC
Technical Documentation Services

(831) 251-8516
steve@homertechpubs.com

Teaching Experience

Starting in 2004 I have spent two to four months of most years in Chiapas, Mexico, as a volunteer. I teach beginning English to university students, and I teach photography and computer literacy courses (in Spanish) to the staff of the NGO where I volunteer. In 2014, I volunteered for two months as an English teaching assistant in public high schools in Colombia.

Education

B.A. in Physics: 1983, UC Santa Cruz
B.A. in Politics (with Honors): 1989, UC Santa Cruz
Continuing education at professional conferences and workshops

Awards

1998 Northern California Society for Technical Communication:
Distinguished Award for Online Books

Work History

Year	Job Title	Employer or Client
2002-2016	Consultant	Synopsys, Verisity, Advanced Energy, Pivotal Systems, Barcelona Design, PDF Solutions, Oak Hill Corp., Berkeley Design Automation, Data Domain, EMC, Abound Logic (M2000), ClioSoft, Dolby Laboratories, and others
2001	Consultant	Symphony Systems and Verisity
1999 - 2000	Technical Publications Lead	Symphony Systems
1997 - 1999	Sr. Publications Technical Consultant	Cadence
1995 - 1997	Sr. Technical Writer	Integrated Measurement Systems
1990 - 1995	Technical Publications Consultant	Cadence
1989 - 1990	Technical Writer	Diasonics/Toshiba
1985 - 1988	Sr. Technical Writer	Valid Logic Systems