Michael Hillendahl, EE

Bachelor of Science, EE • University of Southern California • Viterbi School of Engineering • Class of 2010
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Electrical Engineer seeking full-time opportunity in **Southern California**

Driven to deliver solutions to complex problems and collaborate in technical roles

Experience	Prototyping, R&D	FW & Code	Development Tools
Weapons Manufacturing	Anlg/Dig Circuit Dsn	Clock, Timer, Interrupt	STM32 Ecosystem
Circuit Design & Analysis	Schematic, Layout	I2C, UART, GPIO, DMA	CubeMX & CubeIDE
Rapid Prototyping	Firmware, Iteration	C/++/# • Python • VBS	Keil MDK & µVision
Research & Development	Test, Troubleshoot	I2C • SPI • UART • JTAG	Eagle, Fusion 360

Defense Tech

Electrical Engineer, Research & Dev at Design West Technologies (2020-2023)
• Development and mfg of weapons and CBRN detection for U.S. Government

Manufacturing
• Delivered critical components of Vertical Launch System (VLS) to U.S. Navy
• Cradle-to-grave ownership of electronics in reqmts, test, and production

Electronics
• Supported rapid prototyping electronics devices
• Contributed to design, architecture, schematic, layout, firmware, test

Solutions

Solutions Engineer, Consultant at Laserfiche (2018-2019)
• Constructed, deployed digital solutions for enterprise workflow processes

Architecture
• Designed, implemented, customized multi-server system architecture
• Configured databases, built repositories, managed service accounts

Pre-Sales
• Lead requirements gathering and interviews with clients
• Drafted customer-facing statements of work

Go-Live
• Deployed solutions into live customer production servers
• Promoted solution across Dev, QA, Stage, and Prod environments

Development

Electronics Engineer, Development at Marshall Electronics (2010-2017)
• Developed audio/video electronics for broadcast photo industry

R & D
• Performed board bring-up, circuit analysis, schematic/layout, firmware
• Drafted, implemented iterative testing and development strategy

Production
• Managed technical organization of product and firmware releases
• Conducted streamlining of R&D procedures for Production team

Consulting

Computer Architect, Independent (2012-current)
• Designed, sourced, constructed, initialized, maintained custom computers

Design
• Interviewed users, analyzed use cases, selected appropriate hardware
• Established budgets, scaled accordingly, made informed sacrifices

About Me

Human - Father, Husband, Son, Brother, Friend
• Musician, Hiker, Tinkerer, Handyman, Nerd, Geek, Gamer