

Michael Hillendahl, EE

Bachelor of Science, EE • University of Southern California • Viterbi School of Engineering • Class of 2010
michael.hillendahl@gmail.com • mhillendahl.com • linkedin.com/in/mhillendahl • 707.484.2665 • Menifee, CA

Electrical Engineer seeking full-time opportunity in **Southern California**

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

Experience	Firmware Tools	Code & Microcontrollers	FW & Electronics
Weapons Manufacturing	STM32 Ecosystem	C • C++ • C# • Java	Analog & Digital I/O
Research & Development	CubeMX & CubeIDE	Python • Perl • HTML • XML	Clock, Timer, Interrupts
Rapid Prototyping	Keil MDK & µVision	I2C • SPI • Serial • Parallel	I2C, UART, GPIO, DMA
Circuit Design & Analysis	Eagle, Fusion 360	UART • JTAG • SWD • GPIO	Power, Batteries, LiPo
Defense Tech	Electrical Engineer , Research & Dev at Design West Technologies (2020-2023) <ul style="list-style-type: none">• Development and mfg of weapons and CBRN detection for U.S. Government		
Manufacturing	<ul style="list-style-type: none">• Delivered critical components of Vertical Launch System (VLS) to U.S. Navy• Cradle-to-grave ownership of electronics in reqmts, test, and production		
Electronics	<ul style="list-style-type: none">• Supported rapid prototyping electronics devices• Contributed to design, architecture, schematic, layout, firmware, test		
Development	Electronics Engineer , Development at Marshall Electronics (2010-2017) <ul style="list-style-type: none">• Developed audio/video electronics for broadcast photo industry		
R & D	<ul style="list-style-type: none">• Performed board bring-up, circuit analysis, schematic/layout, firmware• Drafted, implemented iterative testing and development strategy		
Production	<ul style="list-style-type: none">• Managed technical organization of product and firmware releases• Conducted streamlining of R&D procedures for Production team		
Consulting	Computer Architect , Independent (2012-present) <ul style="list-style-type: none">• Designed, sourced, constructed, initialized, maintained custom computers		
Design	<ul style="list-style-type: none">• Interviewed users, analyzed use cases, selected appropriate hardware• Established budgets, scaled accordingly, made informed sacrifices		
Solutions	Solutions Engineer , Consultant at Laserfiche (2018) <ul style="list-style-type: none">• Constructed, deployed digital solutions for enterprise workflow processes		
Architecture	<ul style="list-style-type: none">• Designed, implemented, customized multi-server system architecture• Configured databases, built repositories, managed service accounts		
Pre-Sales	<ul style="list-style-type: none">• Lead requirements gathering and interviews with clients• Drafted customer-facing statements of work		
Go-Live	<ul style="list-style-type: none">• Deployed solutions into live customer production servers• Promoted solution across Dev, QA, Stage, and Prod environments		
About Me	Human - Father, Husband, Son, Brother, Friend <ul style="list-style-type: none">• Musician, Hiker, Tinkerer, Handyman, Nerd, Geek, Gamer		