

# Michael Forester Hillendahl

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**Electronics Engineer** seeking **full-time** role near **Orange County, CA**

Motivated to leverage technical experience in collaborative role.

## Scholar

Univ of Southern Cal  
BS Electrical Engr  
Viterbi School of Engr  
Class of 2010

## R&D Manager

Application Engineering  
Release Engineering  
Pre-Sales Engineering  
Systems Engineering

## Technical Specialist

C/Java • Python/Perl • HTML/CSS  
I2C • SPI • Serial • Parallel  
UART • JTAG • GPIO • Drivers  
Data Structures • Algorithms

## Human

Musician • Performer  
Hiker • Climber  
Enthusiast • Tinkerer  
Son • Brother

## Experience

**Electronics Engineer** at Marshall Electronics Inc (2010-2017)

- Managed development, release, and support of flagship platforms

### Product & Project Management

- Managed Sales/Engineering coordination to document, implement, and deliver custom-tailored products to high profile customers

## Pre-Sales

## R & D

- Defined product spec, maximized cost/time efficiency of design reqs
- Adjusted dev plan or spec as necessary when technical issues arose

## Testing

- Rewrote algorithm for project workflow between Engineering and QA
- Optimized artifact resolution and minimized development time

## Release

- Managed technical organization of product and firmware releases
- Spearheaded related interdepartmental coordination

## Production

- Conducted streamlining of R&D procedures for Production team
- Managed technical implementation in production environment

### Technical Achievements & Responsibilities

## Firmware

- Wrote bare metal embedded C for video and ARM processors
- Increased responsiveness >100% rewriting key algorithms

## Design

- Ensured market relevance via competitor and industry research
- Created feature-set and UI for next generation of devices

## Efficiency

- Automated panel calibration, reduced overhead by over 95%
- Accelerated dev team's ability to launch new products

## Lifecycle

- Adapted platforms for longevity and flexibility over span of years
- Updated legacy systems for compatibility with next-gen products

## Projects

## & Skills

### Mobile Dev - Android Phone

- Established multiple dev/testing workflows
- Created various apps for Android device

### Web Dev - Chrome Browser

- Designed & implemented Chrome extension
- Achieved proficiency with HTML, JavaScript, etc

### Game Dev - Windows OS

- Languages: C, C++, Java, Python, Perl, Ruby
- Libraries: SFML, OpenGL, OpenAL

### Hands-on

Soldering, Assembly  
Woodwork, Metalwork

### Equipment

Oscilloscope, Multimeter

### Strengths

Leadership & Teamwork  
Apt & Driven Learner