



# Evan Mitchell

Detail-oriented embedded software engineer with five years of experience developing firmware and optimizing real-time systems. Skilled in C/C++, microcontroller programming, and hardware-software integration. Adept at debugging and improving system performance for embedded applications across various industries.

## CONTACT



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LinkedIn | Portfolio



San Diego, CA

## EDUCATION

Bachelor of Science (B.S.) Computer Engineering  
University of Illinois Urbana-Champaign,  
Champaign, IL  
May 2019 – May 2025

## KEY SKILLS

- C, C++ programming
- Embedded Linux and real-time operating system (RTOS)
- Firmware development
- Microcontrollers and IoT devices
- System optimization

## PROFESSIONAL EXPERIENCE

- **Embedded Software Engineer, Qualcomm, San Diego, CA**  
June 2021 – Present
  - Developed and optimized embedded firmware for wireless communication devices, improving data processing speeds by 30%
  - Designed real-time software for Advanced RISC Machine (ARM)-based microcontrollers, enhancing system efficiency for IoT applications
  - Conduct hardware-software integration, debugging, and performance tuning to ensure seamless functionality
- **Firmware Engineer, Texas Instruments, Dallas, TX**  
July 2019 – May 2021
  - Developed and tested firmware for automotive and industrial applications, ensuring compliance with safety standards
  - Implemented drivers for Serial Peripheral Interface (SPI), Inter-Integrated Circuit (I2C), and universal asynchronous receiver/transmitter (UART) protocols, enhancing communication efficiency between embedded components
  - Optimized memory usage and power consumption for low-power embedded systems

## CERTIFICATIONS

- **Certified Embedded Systems Engineer (CESE), IEEE, August 2019**