

# Noah Miller

## Innovative and analytical embedded systems engineer

Embedded systems engineer with seven years of experience designing and optimizing firmware and hardware solutions. Skilled in developing real-time systems, integrating sensors, and debugging low-level code for various industries.

## EDUCATION

Bachelor of Science (B.S.) in  
Electrical Engineering

Texas A&M University, College  
Station, TX  
May 2015

## KEY SKILLS

- C/C++ programming
- Embedded Linux
- Firmware development
- Microcontroller programming
- Real-time operating systems (RTOS)
- Sensor integration

## PROFESSIONAL EXPERIENCE

Embedded Systems Engineer | SmartTech Innovations, Austin, TX  
August 2017 – Present

- Developed and tested firmware for IoT devices, reducing power consumption by 20%
- Integrate sensors and microcontrollers, enhancing device functionality and reliability
- Collaborate with hardware teams to debug and resolve system-level issues

Firmware Developer | CircuitWorks, Dallas, TX  
June 2015 – August 2017

- Created and maintained firmware for automotive control systems, improving efficiency by 15%
- Conducted unit testing to identify and fix bugs, ensuring software stability
- Assisted in hardware-software integration, streamlining production processes