Gregory Adams
Embedded Systems Engineer

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Professional Summary

Embedded Systems Engineer with 7 years developing firmware for IoT and automotive systems. Expert in C/C++, RTOS, and hardware interfaces. Reduced power consumption by 40% in battery-powered devices.

Professional Experience

Senior Embedded Engineer | AutoTech Systems
Detroit, MI | 2019 - Present
- Developed firmware for automotive ECUs
- Implemented CAN bus communication protocols
- Optimized code for ARM Cortex-M processors
- Led functional safety compliance (ISO 26262)

Embedded Systems Engineer | IoT Innovations
Ann Arbor, MI | 2017 - 2019
- Designed firmware for wireless sensor networks
- Implemented BLE and WiFi connectivity
- Developed device drivers for peripherals

Education

Bachelor of Science in Electrical Engineering
University of Michigan | 2017 | GPA: 3.7/4.0

Technical Skills

Languages:	C, C++, Assembly, Python
Platforms:	ARM, PIC, AVR, STM32, ESP32
Protocols:	I2C, SPI, UART, CAN, BLE
Tools:	GCC, Keil, IAR, JTAG, Oscilloscope

Languages

English (Native)

Certifications

- Certified Embedded Systems Engineer