ADELI FRISKEY

Embedded Engineer

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(851) 679-8105
1234 Wild Horse Trail, Cheyenne, WY 82009

PROFILE

Embedded Engineer with 1 year of experience in designing, developing, and testing firmware and embedded systems. Proficient in C/C++ programming, microcontroller interfacing, and debugging tools. Demonstrated ability to work effectively in cross-functional teams, quickly learn new technologies, and adapt to evolving project requirements. Committed to delivering high-quality solutions and contributing to the success of projects.

LINKS

linkedin.com/in/adelifriskey

SKILLS

Microcontroller programming

FPGA development

Real-time operating systems (RTOS)

Circuit design

PCB layout

I2C/SPI communication

ARM Cortex-M architecture

LANGUAGES

English

Mandarin

HOBBIES

EMPLOYMENT HISTORY

Embedded Systems Engineer at Wyoming Analytical Laboratories, Inc., WY

Mar 2023 - Present

- Developed a custom embedded system for laboratory equipment, resulting in a 30% increase in efficiency and reducing manual intervention by 50%.
- Implemented an IoT-based monitoring system for lab instruments, leading to a 20% reduction in maintenance costs and a 15% improvement in equipment uptime.
- Successfully designed and integrated a real-time data acquisition system into existing laboratory infrastructure, enabling a 25% increase in data processing speed and a 10% improvement in analytical accuracy.
- Led a team of engineers to complete a critical firmware update for a key laboratory instrument, improving its performance by 40% and extending its lifespan by two years.

Junior Embedded Systems Engineer at Snowy Range Instruments, WY

Jul 2022 - Feb 2023

- Implemented a firmware update for the company's flagship product, resulting in a 25% increase in processing efficiency and a 15% reduction in power consumption.
- Developed and successfully integrated a custom communication protocol for embedded systems, enabling seamless data transfer between devices and leading to a 30% improvement in overall system performance.
- Led a team of 3 engineers in the design and development of a new IoT sensor device, which contributed to a 20% increase in sales revenue for Snowy Range Instruments within its first year of launch.

EDUCATION

Bachelor of Engineering in Embedded Systems at University of Wyoming, Laramie, WY

Aug 2018 - May 2022

Relevant Coursework: Microcontroller Programming, Digital Electronics, Embedded Systems Design, Computer Architecture, Operating Systems, Real-Time Systems, Communication Networks, Control Systems, and Internet of Things (IoT) Technologies.

CERTIFICATES

Certified Embedded Systems Engineer (CESE)

Mar 2022