



EMMA JOHNSON

Electrical/Electronics Engineer

✉ support@qwikresume.com

☎ (123) 456 7899

📍 Los Angeles

🌐 www.qwikresume.com

SKILLS

Circuit Design



SwitcherCad



MS Office



Prototyping



Group Lead



INTERESTS

📖 Birdwatching 🧳 Traveling

🏠 Sports Coaching 🧶 Knitting

STRENGTHS

🔧 Pragmatism

🍃 Sensitivity

💖 Sincerity

📌 Stability

LANGUAGES



English



Spanish



Swahili

ACHIEVEMENTS

🌟 Developed a custom RF sensor system that improved detection accuracy by 25%.

🌟 Led a project that integrated advanced telemetry systems, resulting in a 15% reduction in operational costs.

PROFESSIONAL SUMMARY

Ideal position would entail a mix of research, development, design, simulation and implementation of Digital and Analog design.

WORK EXPERIENCE

Electrical/Electronics Engineer

📅 May / 2022-Ongoing

Seaside Innovations

📍 Santa Monica, CA

1. Performed system level design and analysis of airborne RF sensors.
2. Including RF link analysis, analysis of modern telecommunications system protocols, developing system architecture, developing mission CONOPs, trade studies, hardware prototyping.
3. Developed embedded Xilinx Microblaze subsystem with xilinx peripheral IP, as well as custom pcore peripherals.
4. Developed C driver code for custom pcore peripherals.
5. Maintained, modified, developed and interfaced applications (in C) for system with multiple embedded processor configurations.
6. Maintained waveform processing application included interrupt-driven IP-processor buffer interface, frame sync, FEC en/decoding, de/interleaving, payload storage and retrieval.
7. Developed waveform/payload simulation and application test harness to mimic operation of logic external to processor.

Electronics Engineer

📅 May / 2020-May / 2022

Cactus Creek Solutions

📍 Phoenix, AZ

1. Responsible for solving medium complex engineering problems in one or more phases of a development engineering project involving the analysis, research, design development, fabrication, and testing of devices or systems.
2. Update and maintain firmware based on Microchip PIC microcontrollers and Altera FPGA's using MPLAB and Quartus development software.
3. Consult with RF engineers to provide the best solution for integrating the interface between the digital controller board and analog hardware of power amplifiers.
4. Creating and maintain engineering changes (ECN's) for all aspects of projects in progress.
5. Writing weekly reports to the Director of Engineering about the projects status.
6. Providing technical support for technicians and assemblers to ensure project integrity.

EDUCATION

Bachelor of Science in Electrical Engineering

📅 May / 2018-May / 2020

Georgia Institute of Technology

📍 Denver, CO

Focused on circuit design, embedded systems, and RF technologies.