Nicholas Cary

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Summary

As a highly motivated engineer, I possess expertise in designing and implementing embedded systems, hardware fabrication, and testing hardware utilizing laboratory equipment to validate specifications. I derive immense satisfaction from resolving complex problems through efficient and effective solutions. My character is defined by my punctuality, diligence, and unwavering reliability.

Experience

Link Electronics   Branson, MO
Embedded Systems Engineer   10/01/2020 - Current

I design and develop new products and solutions that meet defined specifications. I contribute to multiple projects involving hardware, firmware, and software development. My responsibilities include creating hardware designs and PCB layouts to support product functionality and quality standards.

Skippits   Berryville, AR
IT Systems Specialist   12/01/2019 - 10/01/2020

My responsibilities consisted of maintaining all areas of client IT infrastructure, creating great client relationships, and covering a wide user base for cyber security.

Carroll Electric   Berryville, AR
IT Systems Operator   05/16/2019 - 11/01/2019

During my time at Carroll Electric I learned the importance of keeping your customers happy, quick resolutions to client issues, and the workflow of an IT department in a corporate environment.

Projects

Voyavox Captioning System   03/01/2023 - Current

AI based automated live video transcription and translation software for use in the military, federal government, and professional production houses. This software is capable of producing 99% accuracy for spoken words.

Hardware Caption Encoder   2/01/2022 - 12/15/2023

I assisted in the development of a next generation hardware based closed caption encoder. This involved designing new hardware that moves and manipulates video data while also embedding caption data into the video stream.

References

Don Carmical	Tristan Tibbets	Toni Kessler
870-688-0995	870-654-5682	417-230-7323

Skills

Embedded Firmware Development
I have experience developing firmware along with accompanying software utilities for Atmel and ARM based microprocessors using C/C++ programing languages.

Precision PCB Design and Layout
I have experience developing new hardware that require rapid prototyping, complex multi-layer PCBs, and comprehensive schematics.

LLM and AI Based Applications
I have experience creating applications with large datasets that requirer custom algorithms and fast data processing using custom LLM/AI models.

Secure Web Based Data Processing Applications
Experience developing and maintaining web applications based on C, Python, HTML/CSS, Javascript, and SQL.