

Wonda Engemann

Hardware Engineer

Dedicated Hardware Engineer with 1 year of experience in designing, testing, and troubleshooting electronic systems and devices. Proficient in schematic capture, PCB layout, and simulation software, with a strong foundation in analog and digital circuits. Adept at working in cross-functional teams and ensuring timely project completion. Eager to contribute to cutting-edge technology development and drive innovative solutions.

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1234 Magnolia St, Baton Rouge, 
LA 70802

Education

**Bachelor of Engineering in
Electrical and Computer
Engineering at Louisiana
State University, Baton
Rouge, LA**

Aug 2017 - May 2022

Relevant Coursework: Digital
Logic Design, Microprocessor
Systems, Signals & Systems,
Circuit Analysis, Control
Systems, Power Electronics,
Embedded Systems, Computer
Networks, VLSI Design, and
Communication Systems.

Links

[linkedin.com/in/wondaengemann](https://www.linkedin.com/in/wondaengemann)

Skills

Circuit Design



FPGA Programming



PCB Layout



Microcontroller Integration



Signal Processing



Embedded Systems



Power Electronics



Employment History

Hardware Engineer at Intralox, LA

Feb 2023 - Present

- Developed a conveyor system upgrade for a major food processing plant that increased production efficiency by 20%, resulting in an annual cost savings of \$1.2 million for the client.
- Designed and implemented a custom robotic arm for a packaging line, reducing manual labor by 50% and increasing throughput by 30%, leading to a projected ROI of \$500,000 within two years.
- Collaborated with a cross-functional team to successfully complete a complex conveyor retrofit project, reducing downtime by 25% and increasing overall system reliability by 15%.
- Led the testing and validation of a new conveyor belt material, resulting in a 10% improvement in wear resistance and a 5% reduction in energy consumption, providing an estimated annual savings of \$250,000 for customers.

Associate Hardware Engineer at Benteler Automotive Rumbach, LA

Aug 2022 - Dec 2022

- Successfully designed and implemented a new hardware system for the production line, increasing efficiency by 20% and reducing downtime by 15%.
- Effectively managed a team of junior engineers, completing a critical project within budget and ahead of schedule, resulting in a 10% increase in overall production capacity.
- Identified and resolved a major technical issue in the manufacturing process, saving the company \$50,000 per year in maintenance costs and preventing potential production delays.
- Developed and executed a comprehensive training program for new hires, improving onboarding efficiency by 25% and reducing the time to full productivity for new employees by 30%.

Certificates

Certified Electronics Technician (CET)

Apr 2022

IPC Certified Interconnect Designer (CID)

Nov 2020