


# Christian Kester

11850 Old Timber Road, Charlotte, NC 28269 Cell: (618) 402-2026

Email: christiankester77@gmail.com    LinkedIn:  Christian Kester

I am a Control Systems Integrator with experience building and maintaining PLC and EPMS systems in mission critical facilities. I have industrial automation and SCADA experience working in data centers, central energy plants, and steel mills. I'm seeking an opportunity to that will allow me to utilize my knowledge of programming critical systems while also providing an avenue for me to develop new skills.

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## Experience

### Control Systems Integrator II

Spring 2022-Present

Affinity Energy, LLC

#### Data Center EPMS System Design

- Designed EPMS system in coordination with mechanical engineering team to ensure the engineered design can be built efficiently by construction team
- Worked with switchgear manufacturer to ensure their design met the customer's power monitoring requirements
- Adapted device IO maps and retrofitted existing IO panels when other vendors made changes to their designs during construction
- Created EPMS screens to maintain similar graphical organization to the other systems in our customer's network so their operators can use the new system without additional training

### Control Systems Integrator I

Spring 2021-Spring 2022

Affinity Energy, LLC

#### Data Center EPMS System Design

- Created EPMS system to allow our customer to monitor power flow through their data center as well as the temperature and humidity of their server racks and electrical rooms
- Modified field IO panels to accommodate design changes the customer made during construction
- Maintained quality control by working with construction crew to ensure the project was built according to spec
- Created and maintained drawings of the engineered design

#### Hospital Energy Plant EPMS System Upgrade

- Worked with a team of engineers to upgrade hospital's EPMS system from an outdated platform to a new system
- Programmed system to send energy plant management and operators email and SMS notifications when critical alarms activate for sites that do not have 24/7 staffing
- Set up area filtering to prevent operators at one site from being able to see/acknowledge alarms at a different site
- Validated alarms from new system against alarms in old system during transition period

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## Skills

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|--------------------------------|-----------------------------------|------------------------------|
| • Python/C/MATLAB              | • PLC/Drives/FM-458               | • Wonderware/Cimplicity/PME  |
| • Neural Net/ Machine Learning | • Starter/Step7/WinCC/TIA/VTScada | • PID/Compensator Design     |
| • Kepware/IBA/OPC              | • SOLIDWORKS/ Draftsight          | • MIG/Lathe/Mill Fabrication |
|                                | • Profinet/TCP/UDP/Modbus/Bacnet  |                              |

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## Education

### Murray State University

Bachelor of Engineering, Engineering Physics

Fall 2017-Spring 2021

GPA: 4.0