

# Zachary Isbell

Birmingham, AL | Phone 205-353-6913 | zachary.isbell@yahoo.com | [LinkedIn](#)

## EDUCATION

### Auburn University

B.S. Computer Engineering

Auburn, AL

Graduation Date: May 2021

## WORK EXPERIENCE

### Southern Controls, Inc.

Field Applications Engineer

Bessemer, AL and Baton Rouge, LA

May 2022 - Present

- Developed comprehensive troubleshooting guides for different industrial equipment models, resulting in a decrease in downtime for clients.
- Utilized advanced analytics to identify and resolve technical issues on automation equipment, leading to an increase in overall efficiency at client sites.
- Collaborated with cross-functional teams to streamline the development process of new industrial equipment, resulting in a reduction in time-to-market.

### Good Ol' Boy's Restaurant

General Manager

Auburn, AL

Jun 2021 - Dec 2021

- Streamlined operations by implementing a new system that resulted in a 50% reduction in overall costs and an increase in employee satisfaction.
- Managed live music events to drive foot traffic, resulting in an increase in weekend sales and overall revenue for the restaurant.
- Implemented inventory management software that led to an immeasurable decrease in food and alcohol waste and an improvement in inventory accuracy.

### UDA Technologies

Product Specialist

Auburn, AL

Nov 2020 - May 2021

- Conducted troubleshooting over the phone for 20+ customers daily, achieving a 100% satisfaction rate and resolving issues within an average of 20 minutes.
- Implemented rigorous QA processes for mobile applications, resulting in a decrease in bugs and an increase in satisfaction from development teams.
- Demonstrated exceptional sales skills by closing deals for software products, creating invoices, and processing transactions.

## PROJECT EXPERIENCE

### Southern Controls, Inc.

New Orleans Water Board Leakage Monitoring

New Orleans, LA

Feb 2024 - May 2024

- Designed a system for the detection and indication of leaks in 10 wet tanks to avoid the unintentional spilling of potentially harmful chemicals.
- Presented the system to a group of engineers for approval and specified the components for the application, ensuring that the project's budget and schedule was maintained.
- Programmed and implemented the system using Human-Machine Interfaces (HMIs), Programmable Logic Controllers (PLCs), and a number of low voltage sensors and actuators.

## SKILLS & INTERESTS

C++, Java, Python, VHDL, Verilog, IEEE 61131-3 Programming Languages, Ethernet and Serial

**Skills:** Communications, SCADA, Database Management, Analog and Digital I/O, Graphical Interface Design, Robotics, Variable Frequency Drives, Power Distribution, Electrical Panel Design

**Interests:** Music Production, Hardware/Software Design, 3D Modeling