(563)209-2751

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LinkedIn | https://www.linkedin.com/in/jack-obert/

Personal Portfolio | https://jacksguitarneeds.com/

Jack Obert

Summary

An engineering professional with 3 years of experience at the intersection of technology deployment, mechanical engineering, and project management. Specialized in implementing edge device solutions to enhance manufacturing efficiency, safety, and quality.

At John Deere, plays a key role in deploying and assisting with over 400+ automated inspections as part of the Smart Connected Factory initiative, achieving a 43.1% IRR, $3.1M in annual savings, and improved operational safety and efficiency. Skilled in leveraging modern technologies to solve complex challenges, drive measurable results, and deliver value in dynamic manufacturing environments.

Experience

John Deere
East Moline, IL – Technology Deployment | Part-Time Student
November 2023 – Present
- Procure, setup, and deploy automated inspections throughout the factory
- Test new edge devices, products and practices to scale quality deployments
- Implement cost reduction, quality, safety, and ergonomic improvement ideas
- Provide support and basic troubleshooting for current operations
- Create SOP's for factory-wide technology deployments

Tesla
Fremont, CA – Mechanical Engineer Intern | Facilities/Cell Production
May 2023 – August 2023
- Tested variables for implementation of various engineering systems/projects
- Utilized engineering software for documentation and updates
- Managed facility projects, maintenance, and improvements
- Directed any needs for vendor procurement
- Delivered Tesla vehicles to customers on the weekends

Kiewit - Building Group
Omaha, NE | Ingleside, TX | Remote – Construction Engineer Intern
May 2022 – Aug 2022 | May 2021 – Aug 2022 | May 2020 – Aug 2020
- Managed construction-related projects from proposal to delivery
- Updated and maintained RFI/Submittal log procedures
- Submitted sample and finish packages for the architects
- Performed HVAC testing and waterproofing tests
- Created and presented daily safety meetings

Education

Western Illinois University

Major - Engineering Technology

Expected Graduation - May 2025

Skills, Software & Certifications

- **Microsoft**
  - Outlook
  - Teams
  - Excel
  - PowerBI
- **Bluebeam Revu**
- **AutoDesk**
  - Revit
  - Inventor
- **Studio 5000**
- **JDAAT (MES)**
- **Roboflow Annotate / Deploy**
- **Keyence Vision Systems**
- **Raspberry Pi**
  - Bash
- **JavaScript Basics**
- **Databricks SQL Basics**
- **Web Development / SEO**

Projects

Personal
- "Just-In-Time" Computer Vision Inspection

John Deere
- 400+ Automated Inspections
  - Safety
  - Quality
  - Maintenance

Tesla
- VOC Test Rig
- Hot Oil Recycling System
- Commissioning CTs for HTA Fans
- Ignition Python Scripting
- AutoCAD P&IDs
- Facilities Lab Renovation
- I&C Inventory