

# Cody Clegg

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## EXPERIENCE

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### **Manufacturing Engineering EDP at John Deere – Augusta, GA**

*June 2016 – Present*

- Rotational engineering program with focus on manufacturing and factory automation
- Create electrical test procedures to verify correct vehicle programming configurations and validate functionality of electrical components on utility tractor series
- Maintain and update electrical test procedures for ERT and test stations throughout the factory
- Create automated reports, PLC-linked control panels, and displays for live production data across the factory using Ignition by Inductive Automation (Java, Python, SQL)
- Create SQL reports to pull pertinent production and test data and gather specific product information to resolve production issues
- Implement and provide production support for torque tools, test stands, controller programming fixtures, and proprietary production-aid software
- Served as the production manufacturing engineer for tractor cab assembly
- Created work instructions, rebalanced manufacturing assembly processes, and implemented new processes to promote quality, safety, and delivery

### **Manufacturing Engineering Intern at John Deere – Waterloo, IA**

*May - August 2015*

- Worked with shop floor assembly operators, providing support for current production tractors
- Worked on continuous improvement projects to improve operator safety and efficiency within the factory
- Worked directly with product engineers, industrial engineers, and quality engineers on a daily basis, gaining cross-functional experience
- Performed utility and layout audits for the factory, helping to improve shop floor layout and ergonomics

### **Product Design and Marketing Intern at TITIN – Atlanta, GA**

*May - August 2014*

- Designed new products for TITIN, a company that produces weighted compression athletic equipment, using 2-D and 3-D CAD software, and worked with manufacturers to produce prototypes
- Worked on logistics database creation, upkeep, and organization
- Wrote MATLAB programs to better organize various databases and solve logistics problems
- Maintained autonomous decision-making for marketing and social media platforms
- Worked on advertising and marketing campaigns for a successful startup company

### **Field Technician at Southern Cross Corp. – Atlanta, GA**

*May – August 2013*

- Became a licensed contractor in order to perform repairs and inspections on natural gas lines and meters
- Worked independently, maintaining a high productivity rate and adhering to strict safety standards
- Learned about the maintenance and operation of various pipeline fixtures in the natural gas infrastructure

## EDUCATION

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### **Georgia Institute of Technology – Atlanta, GA**

*2016*

*Graduated with High Honors – Bachelor of Science in Mechanical Engineering*

## SKILLS

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JDTester, GFPT, SQL, Ignition by Inductive Automation, JDAAT Power User, Microsoft Access, RSLogix 5000 (PLC), Siemens Teamcenter Visualization Mockup, WPlanner, AutoCAD, MATLAB, AutoDesk Inventor, SolidWorks, Reading Electrical/Engineering Drawings, Detailed Project Planning, Machining, Drafting and Dimensioning, Model-Making, Sketching