

# Cody Clegg

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## EXPERIENCE

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### **ARCUS Research — Full Stack Web Developer** – Atlanta, GA *May 2019 – Present*

- Serve as primary full stack web developer for ARCUS Research, creating Node.js and Express server backend code for serving the customer as well as in-house applications for internal use.
- Create internal data pipeline structure for ARCUS to automatically ingest customer data and transform in cloud database for analysis.
- Integrate numerous external APIs in backend code and data visualizations in the frontend.
- Leverage AWS, Snowflake cloud database services, Periscope Data, and other tech vendors, holding regular meetings with vendors to understand new features and optimize usage.

### **Georgia Tech Professional Web Development Bootcamp** – Atlanta, GA *February 2019 – August 2019*

- Learned full stack web development, specifically the MERN stack, through hands-on, group-oriented coding classes and assignments.
- Program focussed on learning Javascript, MongoDB, Express, React, Node.js, and other technologies.
- Worked in groups on full stack web application development projects, utilizing Github for version control and dividing various application features between group members.
- Built three primary projects utilizing the MERN stack in addition to weekly homework applications.

### **John Deere — Lead Electrical Manufacturing Engineer** – Augusta, GA *January 2018 – February 2019*

- Designed electrical testing procedures for all 5000 series tractors at John Deere Augusta.
- Maintained SQL databases for manufacturing systems, combining production data from customer orders with manufacturing engineering software applications.
- Created SQL reports of live production data to assist shop floor in completing assemblies.
- Provided full manufacturing support during a large-scale SAP landscape conversion, helping various stakeholders in factory business team via manufacturing software and data validation.
- Provided on-call shop floor assistance for all testing procedures in the factory.

### **John Deere — Manufacturing Engineering EDP** – Augusta, GA *June 2016 – January 2018*

- Rotational engineering program with focus on manufacturing and factory automation.
- 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.

## 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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Javascript, React, Express JS, Node.js, MongoDB, SQL, CSS 3, HTML 5, Git, Bootstrap, Materialize, Bulma, jQuery, Firebase, Snowflake Cloud Database, MATLAB, Ignition by Inductive Automation, Microsoft Access, RSLogix 5000 (PLC), AutoCAD, 3D Modeling Software, Detailed Project Planning