# Cody Clegg

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## SUMMARY

Full stack web developer with a background in mechanical engineering. Effective at solving problems from multiple angles to find the best available solution. Highly detail-oriented and skilled at project planning.

## EXPERIENCE

**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.

**John Deere — Lead Electrical Manufacturing Engineer** – Augusta, GA      *January 2018 – February 2019*
- Developed software for automated reports, PLC-linked control panels, and displays for live production data across the factory using Ignition by Inductive Automation (Java, Python, SQL).
- Maintained SQL databases for manufacturing systems, combining production data from customer orders with manufacturing engineering software applications.
- Provided full factory automation support during a large-scale SAP landscape conversion, validating manufacturing software systems with hundreds of testing combinations.
- Designed electrical testing procedures for all 5000 series tractors at John Deere Augusta.
- 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 a focus on manufacturing and factory automation.
- Created SQL reports to pull pertinent production and test data and gather specific product information to resolve production issues.
- Provided production support for test stands, controller programming fixtures, and proprietary production-aid software.

## EDUCATION

**Georgia Institute of Technology** – Atlanta, GA                                              *2016*
*Graduated with High Honors – Bachelor of Science in Mechanical Engineering*

**Georgia Tech Professional Web Development Bootcamp** – Atlanta, GA      *February 2019 – August 2019*
- Learned full stack web development, specifically the MERN stack, through hands-on 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.

## TECHNICAL SKILLS

JavaScript, Python, React, Node.js, Express JS, MongoDB, SQL, CSS3, HTML5, 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