

# Jackson D. Mohundro

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Columbia, TN 38401

(931) 797-6763

## EDUCATION

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### Bachelor of Science in Electrical Engineering with Computer Science Minor

Mississippi State University, Starkville, MS

Expected Graduation: May 2021

Current GPA: 4.0 / 4.0

## WORK EXPERIENCE

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### Mississippi Power Company:

3<sup>rd</sup> Term COOP – Business and Industry Services, Gulfport, MS: May 2019 - August 2019

- Assisted in “behind the meter” projects for residential, commercial, and industrial customers
- Drafted high-level documents and graphics regarding system functionality for effective communication between parties
- Gained exposure to emerging technologies and implementations (PV arrays, electrical vehicles, microgrids)

2<sup>nd</sup> Term COOP – System Protection & Control, Gulfport, MS: August 2018 - December 2018

- Worked alongside Field Engineers to ensure functionality of protection system for bulk electric grid
- Performed installation, troubleshooting, and routine maintenance of protection and monitoring equipment
- Developed hands-on skills such as wiring, shorting, measuring, and testing with appropriate tools and equipment

1<sup>st</sup> Term COOP – Transmission Lines, Gulfport, MS: January 2018 - May 2018

- Modeled approximately 150 miles and 1500 structures of up-to-date transmission lines using PLS-CADD
- Performed line analysis and devised/implemented design upgrades to remediate issues/violations
- Drafted 7500-word instructional guide regarding company design software

### Tennessee Valley Authority (TVA) :

Intern – System Engineering, Murfreesboro, TN/Starkville, MS: June 2018 - August 2018, September 2019 – April 2020

- Served as student intern and assistant to System Engineer in updating DSL documents, prints, and other databases/libraries
- Performed various site visits with Electricians and System Engineers across TVA system
- Shadowed Middle TN Area Work Coordinator/Supervisor in daily work and responsibilities

## SKILLS / CERTIFICATIONS

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- Working knowledge of Power Line Systems Computer Aided Design and Drafting (PLS-CADD)
- Basis knowledge of Assembly, Python, and C++ programming languages
- Previously held FAA Part 107 Remote Pilot Certification for UAS

## ACTIVITIES

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### Member of Theta Tau Professional Engineering Fraternity: Spring 2017 - present

- President (April 2019 - May 2020) – responsible for meetings, Risk Management, and National Fraternity correspondence
- Marshal/Pledge Trainor (Spring 2018) – tasked with mentoring new prospective members
- Conflict Resolution Chair (Fall 2017) – mediated issues that arose between members
- Theta Tau National Leadership Academy (July 2017) and National Convention (August 2018)

### Alternative Energy Sources in Iceland and Scandinavia Study Abroad Program: Summer 2017

- Study of Geothermal Energy throughout Iceland, including Hellisheidi Power Plant tour
- Study of Hydroelectric Energy and its application in Norway
- Study of Wind Power within Denmark, including tour of Copenhagen Wind Turbine Farm

### Tau Beta Pi National Honor Society Initiate: Fall 2019 – present

## AWARDS & DISTINCTIONS

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- National Merit Finalist
- Mississippi State President’s List (Fall 2016, Spring 2017, Fall 2017, Spring 2019, Fall 2019, Spring 2020)
- IEEE PES Scholarship Recipient: 2018 - 2019 Schweitzer Meritorious Scholar, 2019 - 2020 Scholarship

## SERVICE

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- **Theta Tau:** Helped coordinate/execute Hurricane Florence Fundraiser Raffle, participation in other fraternity service events
- **Mississippi Power:** Celebrate the Gulf, Junior High Student Career Expo, High School Career Fair
- **Generational Mission Trips (3) Columbia, TN**