

Jack Burgess, EIT

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EDUCATION

University of Missouri College of Engineering Columbia, MO

B.S. in Computer Engineering, minor in Mathematics and Computer Science expected May 2024

Masters in Science, Business Administration expected May 2026

- *Expected to complete 75 credit hours of Computer Engineering Courses*
- *University of Missouri GPA 3.309 / 4.00*

WORK EXPERIENCE

Burns & McDonnell – Networks, Integration & Automation Engineer Kansas City, MO (May 2024 - Present)

- *Worked with the Fiber to the X team. Completed a project involving our bidding process to potential clients.*
- *Completed and passed the FE Exam (Fundamentals of Engineering) in Computer Engineering.*
- *Used a Large Language Model to vet ISPs.*
- *Completed over 100 site visits assisting the Pre-Engineering design team.*
- *Created an internal page which was reviewed by multiple licensed engineers.*
- *Created and reviewed over 100 SCADA packages for our utility clients.*

World Wide Technology – Global Engineering Team Intern Saint Louis, MO (May 2022 - August 2022)

- *Researched different technologies created by our partner companies.*
- *Created educational lab environment for customers and internal use on the in house ATC platform.*
- *Increased client retention by 27.5% with the lab environments.*
- *Completed a capstone project focused around talent recruitment and outreach.*
- *Completed a two week cyber security training seminar and learned basic cyber security skills and knowledge.*
- *Created multiple slide decks and received valuable feedback from business managers and engineers.*

McDonald County Telephone Company – Intern Anderson, MO (May 2021 - August 2021)

- *Served as a fiber optic engineer and a cyber security intern.*
- *Developed new rules and regulations for a more protected office space around cyber security and two factor authentication.*
- *Spliced fiber optic cables.*
- *Serviced four different data centers which saw an average performance increase of ten percent.*
- *Installed various pieces of equipment in office and in the field for internal use and client use.*

SCHOOL ACTIVITIES

Beta Theta Pi – Technology Director

- *Developed and optimized our house's website. Oversaw the day-to-day operations of the house's technology. Renovated the house's different fiber-optic networks, which improved our users internet speed by 87% on average. Managed a unique data center and wireless network for my brothers.*

Tigerhacks – Member

- *Competed in a hackathon through the university. Created functions and analyzed memory efficiency. Developed a backend API service wrapper to call Google Maps. Created UI functionality and logo. Won best use of the google API call.*

Hugh O'Brian Youth Leadership

- *Created and managed a team of 20 students to help run and create the Hugh O Brian Leadership program. While giving positive and constructive feedback. Wrote and designed the day-to-day and the team's hourly operations. Oversaw the teams recruitment.*

SKILLS

- *Programming in C, C++, Python, HTML, VHDL, Java.*
- *Cyber Security knowledge and data center experience.*
- *Presentation and people management skills.*
- *Engineering design and feedback systems.*
- *Training data bases and large language models with prompting.*