

# Johnathan Otte

West Terre Haute, IN, 47885 | jbotte25@wabash.edu | (812)-243-3971  
<https://studio--portfolio-website-55qku.us-central1.hosted.app>

## PROFILE

Curious individual with keen interest in the engineering field primarily in controls and automation. A desire to participate in effective leadership and collaborative actions. Critical skills developed through disciplinary experiences.

## EDUCATION

**B.A. Computer Science**, Wabash College, Crawfordsville, IN, GPA 3.551/4.0 May 2025

Minor: Math Dual Degree Engineering Program

**TECHNICAL SKILLS:** Experienced with Python, C, SQL, Minitab, PowerBI, R, Git, CAD, SCADA, LaTeX, Microsoft Office

## PROFESSIONAL EXPERIENCE

**Electrical Engineer Intern, Steel Dynamics**, Terre Haute, IN June 2025-Present

- Conducted a cost-benefit analysis comparing AFE and rectifier drives to quantify energy savings, support future capital investment decisions, and promote more environmentally sustainable operations
- Designed and implemented a custom proximity sensor mount for the brake system actuator, significantly reducing downtime and increasing operational predictability compared to the original switch solution
- Demonstrated initiative and independence by collaborating with vendors across multiple projects to source components, verify technical specifications, and negotiate pricing, ensuring alignment with project requirements and budget constraints.

**Electrical Engineer Intern, Tipmont REMC**, Linden, IN Feb. 2025-May 2025

- Created PowerBI dashboards from SSMS to generate IEEE indices for reliability reports to improve efficiency in operations
- Collaborated with various departments to understand the inner workings of the power industry, database management, and general power concepts
- Worked at SCADA Survalent to understand feeder switching and optimization, as well as a whole system overview

**Undergraduate Data Science Researcher, Space ISAC (NDA)**, Purdue University, Lafayette, IN Aug. 2024-May 2025

**Process Engineer Intern, Fitesa**, Terre Haute, IN May 2024-Aug. 2024

- Cross collaborated with different teams such as quality, maintenance, and operating to understand process control conditions, to ensure conditions were in check, and whether adjustments needed to be made
- Used software such as Quality Windows, Excel, and SQL to analyze process conditions data in order to troubleshoot difficulties within the lines and product quality
- Established a process manual for new operators to use to understand how the line functions, how to run a line, how to change over products, and how changing different process conditions affect the product's outcome.
- Performed tests and repaired steel seals (\$7000 each) with Belzona epoxy for damaged areas that could put them out of specifications. These repairs estimate about 6 months more production.

**Lead Data Analyst**, Wabash College, Crawfordsville, IN Jan. 2024-May 2025

- Dealing with register data to understand relationships between majors/minors and total enrollment, to ensure that the library is purchasing the correct materials.
- Met up with the lead on a regular basis to discuss what goals to accomplish, used tools like R, Excel, Python's Matplotlib, and Pandas to accomplish the tasks for the team.
- Used statistical models such as times series, linear regression, etc, to acquire the conclusions to effectively purchase materials.
- Gave insight to new hires and introduced them to practices and visions the library director has for the future of our projects, as well as coordinating project goals amongst each other.

**Embedded ROI Processor**, Datavant June 2022-Present

- Receives medical record requests from courts and estates, then fulfills, also have access to multiple hospital databases
- Accurately obtaining the correct information for patients requires attention to detail, ability to work both independently and within a team, and strong communication skills as well.

**Shop Assistant**, D&D Automation, Terre Haute, IN June 2018-July 2021

- Learned basic machinery techniques as well as basic ladder logic programming.
- Operated mills, CNCs, and other basic machinery as well as maintained the industrial machinery.
- Observed operations of business, entrepreneurship, and how things operate within an industrial environment.