# Information Solutions Coop at Lubrizol

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## INTRODUCTION

I am Cameron Flack, a computer science major at Cleveland State University. I was given the opportunity to work at Lubrizol, within their custom application team in the Information Solutions department. I worked with them during the Spring 2023 semester.

- Learn more about the software development process
- Work with automation flows inside the company to streamline business tasks
- Examine gathered data to aid in making well informed business decisions

## RESPONSIBILITIES AND PROJECTS

Work with several departments and teams within Lubrizol to build customized solutions inside the Microsoft17 (2.2 (m)0.7inW24 0 2 (15(12.17.8)30.(a).(a).(a).(a).(a).(a).(a).(u0S9 dp)0]J2.87du

Figure 1. Lubrizol Wickliffe Headquarters.

## APPLICATIONS OF COURSES

- Data Structures and Algorithms – After this term, I have realized how much work is done with data in the industry. This course helped me understand data, how to organize it, and how to manipulate and examine it.
- Software Engineering – While working with various other teams at Lubrizol, concepts from Software Engineering helped by tabulate specifications and organize development timelines.
- Database Concepts – Although I have not yet taken this class, I learned a lot about databases and relations between them. I will likely go into this class already knowing a lot of the basic concepts.

Figure 2. Power Platform

## LESSONS LEARNED

It was fun applying the topics I have learned in my classes in my daily work. I also learned a lot of new things about databases and the software development process. This was my first experience in the engineering industry, I gained a lot of professional communication skills. Everything that I worked on was important for various teams, so I learned critical business skills. Using data first technology, I learned a strong ability to architect cloud data sources, that facilitates proper low code development

Figure 3. Lubrizol Products.

## FUTURE CAREER OBJECTIVES

Lubrizol has helped me gain many skills in different areas, all of which I am interested in for a future career. I wish to keep learning about the application of computer swith various leaders and peers within the organization