**INTRODUCTION**

My name is Matthew Staudigel and I am a senior at the University of Cincinnati. This website is a central hub all about me, including my work experience over the years, personal projects worked on over the years, some personal hobbies I like to take on in the free-time, and more. I am designing the website completely from the ground up. There are no templates used. Everything designed on this website is built by me.

Please note that this website is a constant work in progress. Content will change as well as the overall layout of the website over time.

**GOALS**

My goal is to graduate with a Bachelor’s degree in Computer Engineering from the University of Cincinnati. I intend to search for a software engineering position out of college. Over the years, I have had much experience with much of the computer spectrum. From Information Technology, to hardware design, to finally software development, I feel a great pull towards developing software. I enjoy coding, not only at work, but in my free time as well.

**CO-OP EXPERIENCE**

Software Engineering Co-Op – Siemens PLM Software

Siemens PLM Software is a software developer of top-of-the-market software solutions for manufacturers. Siemens PLM produces what is called PLM software, or Product Lifecycle Management software, that bridges the gap of manufacturing in the 20th century with the rapid digitalization of the 21st century. For more about Siemens PLM Software, visit their website. 🡨 hyperlink

From January 2017 – Present, I worked as a Software Engineering Co-Op at Siemens PLM Software. At Siemens, contributed to the Product Engineering Software (PES) organization, working with the company's CAD software, NX. There, I was placed in the NX Drafting team, which develops NX’s 2D drawing application.

My responsibilities as a co-op is long. I assisted in the development and enhancement of internal debugging tools for the Drafting team's developers, as well as the hundreds of developers of PES. I have resolved dozens of bugs related to NX Drafting functionality. I have participated in projects that are in place to enhance the application’s functionality as well. If approved, my work can be seen in the next release of NX.

Working at Siemens allowed me to apply my knowledge in C/C++, developing new dialogs (GUIs) with the software’s codebase. I was also exposed to Python as well, automating tasks that move files, search for strings in files, and more. The codebase for NX has over 300+ million lines of code. I have gained experience navigating through a massive codebase to find the code I need to analyze.

IT Co-Op – thyssenkrupp Bilstein

Bilstein is a manufacturer of automotive dampers for car makers around the world. They are widely known for their leading technology of shock absorbers for competitive racing, especially in Europe. Not only do they supply Original Equipment for car makers, they also have a successful Aftermarket product line. For more information about Bilstein, visit their website. <- Hyperlink this!!

From August 2015 to August 2016, I worked as a co-op in the IT Department at Bilstein’s Hamilton, OH plant. At Bilstein, I resolved hundreds of technical issues employees faced, ranging across the IT spectrum from creating domain user accounts to printer issues. I also designed the architecture of the new print server to replace a decrepit print server. Over my year spent at the company, I imaged over 200+ desktops and laptops for new employees and for hardware redistribution.

Although working in IT was not what I expected I would be doing for my first two co-op terms, I gathered reusable experience in customer service and dealing with highly stressful situations. Learning to interact with other employees on a professional level is a strong trait that will be utilized for the rest of my professional career.