

My journey in the computer and data world has been marked by a series of pivotal experiences that have ignited my passion for coding, automation, and ultimately, data science. My experience started as an intern/co-op, and I was tasked to collect the data. However, it was hard to transform the data using Microsoft Excel due to its limitation. With limited knowledge about coding (I only knew MATLAB, VBA, and Mathematica at the time), I forced myself to learn Python so I could write a script and transform the data into something useful and easy to understand. From there, I slowly learned new things about coding in Python language.

During my co-op experience, I was faced with the challenge of repetitive tasks consuming valuable time and resources. I used the opportunity to leverage my coding skills to develop scripts and tools that automated these processes. Through meticulous problem-solving and iterative refinement, I successfully implemented solutions that not only alleviated the burden of manual labor but also delivered tangible improvements in productivity and workflow optimization.

After the co-op, I continued my study and graduated in 2021. I got a job in a medical device company. At first, my actual job was an engineer to perform an investigation with product quality issue. During that time, I used my coding skills to build many reports from database and Salesforce to improve my workflow. Then, my manager started to notice how I did my job. My manager was interested if we could publish the report to the group. As a result, I got an idea to build a website so my work can be used by other people officially. At this point, I was introduced with a new challenge of developing a website as I didn't know anything about web technology and cloud service. I spent a lot of time to study the technology. I learned new things such as HTML, CSS, JavaScript, FastAPI, React, and Azure. I made so many prototypes.

Fortunately, my manager like the result. The resulting platform not only facilitated seamless access to critical insights but also streamline the process and workflow for the team, thereby enhancing decision-making capabilities and fostering a culture of data-driven decision-making within the organization.

The experience of developing the custom reporting website became a catalyst for my interest in computer and data science. Intrigued by the transformative power of data in driving informed decision-making and uncovering actionable insights, I started on a journey of self-learning. However, I am drawn to study more in a university. I am hoping to gain more knowledge and I would like to apply that in real world.

In conclusion, my journey from coding novice to this point is because of curiosity, perseverance, and continuous learning. Through hands-on experience, experimental learning, and a relentless pursuit of excellence, I have cultivated a diverse skill set and a deep passion for leveraging data-driven insights to drive innovation and create value. Armed with a determination and an unwavering commitment to learn, I am ready to start on the next chapter of my academic journey, confident in my ability to make meaningful contributions to the field of computer and data science and chart a path of distinction in the dynamic landscape of technology and innovation.