

I am proficient with Python, Java, HTML, and JavaScript, and familiar with CSS. I have also completed data analysis projects in my free time including a Python project which involved gathering data on the voting records of states over the last 100 years from a number of different sources. I pulled out and formatted data saved in txt files and stored it using the Pandas library in Python. I then displayed the data in both a 2D detailed format for individual states and a 3D format for all 50 states. Next, I pulled in data on the electoral college and had the program compare the two data sets against each other. Although it may not have been the most robust analysis of the data, it did show an interesting trend toward increased polarization of voters over time. More recently I have recreated the same analysis in Tableau. I have included links to both data sets in my application package. In addition to programming these data displays, I developed a digital sign-in system for the Belchertown High School library. The program was designed to accept and display the information of hundreds of student sign-ins quickly as well as search and sort for specific students and class periods. Through these projects, I have learned a great deal about data manipulation, and data sorting in google sheets and excel as well as formal programming languages.

I also have formal tech work experience as a summer IT intern for the Belchertown School District. This position was primarily focused on the IT intern tech team troubleshooting technical issues as well as general maintenance and repair of equipment. Through this experience I learned valuable skills such as collaborating with the 5 member intern crew to complete designated tasks, working independently when necessary to reach daily goals, recognizing the importance of patience when working with both technology and people as well as successfully navigating a professional work environment. During the academic year I participated in the IT Student Help Desk, and was appointed the Lead intern my senior year. In this role, I assisted in the training and scheduling of student interns to be able to support faculty and students with their technology problems and projects. Before graduating, I established a Runbook to bring continuity to the running of the Help Desk despite the frequent turnover in student interns. I would appreciate the opportunity to further discuss the skills I could bring to this position. I am available to meet in person or over Zoom at your convenience. Thank you for your consideration.

Sincerely,

Jonah Scudere-Weiss