



MEP Engineering Internship

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Mechanical Engineering

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CPSG230

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Introduction

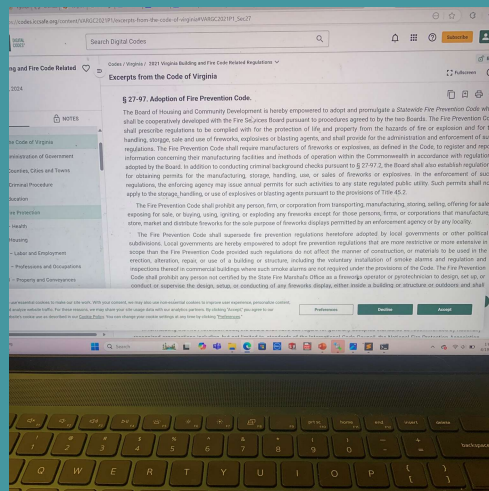
During this winter break I was an intern at the MEP (Mechanical Electrical and Plumbing) engineering firm WB Engineering + Consultants. They specialize in HVAC and Plumbing solutions for large vertical buildings.

Activities:

- Observed team coordination meetings
- Attended active worksites and noted progression
- Reviewed engineering drawings and observed the processes to make them
- Conducted walkthroughs of buildings to observe the inner workings of their HVAC and Plumbing Systems
- Observed project proposals and reviewed billing structures



This is me at a worksite in a secured government facility where I helped check off the progress that has been done on the site.



Here I am researching local fire codes to ensure a proposed structure will be approved by the city and find to properly define the kind of structure to avoid legal liability

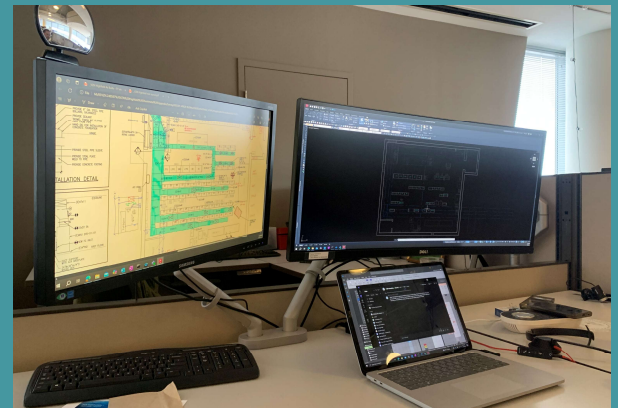
Site Information:

WB Engineering + Consultants

1101 Wootton Pkwy Ste, 1050, Rockville, MD 20852

Supervisor: Jesse Fisher, PE

Site Mission: To provide Mechanical, Electrical, and Plumbing Engineering solutions for clients



Here I am looking over some Revit drawings of an HVAC system used for cooling a client's server room.

Discussion:

This internship has been one of the best experiences of my life. Not only did I learn a lot about engineering, but I also confirmed that it is something I am passionate about and want to pursue as a career. I recommend that anybody interested in mechanical engineering do an internship like this if they get the opportunity. A lot of people say that working in the HVAC industry is boring and I thought this as well before my internship however my mind was completely changed after my experience.

Impact:

From my work at the worksite the client was able to better inform their clients when the space would be ready

What I learned:

I learned about the coordination required to run a project and how effective communication in person, drawings, and documents is essential to being successful

I also learned about the engineering process and how projects are proposed and executed and how they develop over time.

Future Work:

I am humbled, excited, and thankful to announce that I received an internship offer from WB Engineering for the summer

Acknowledgments:

I would like to give big thanks to Jesse Fisher for the opportunity and time and energy spent as my supervisor. I would also like to thank the WB Engineering + Consultants team and specifically Bart Stewart, Evan Bjorndal, Donna Castelli, Maggie Hathway, and Tom Yearwood for their time and energy as well. Lastly, I thank College Park Scholars, the Science and Global Change cohort, and Drs. Holtz and Merck

