Weather Station

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TL;DR version

For my IMP I built a weather station with parts that I bought or 3d printed. It was quite hard and I needed to do product design. I chose this project because I was curious about the weather. A challenge was integrating parts. I overcame this by sometimes using different parts. My mentor helped me with the project planning and the exciting process of soldering and technical detail.

Description

For my IMP I worked on building a weather station that monitors air quality, temperature, humidity, barometric pressure, wind, and rain. The idea was to have something that would inform students on the conditions outside before they went outside

Integrating parts

A challenge was integrating parts. I overcame this by sometimes using different parts. It was exciting to learn how to solder and circuit the parts precisely. Another challenge was journaling, but my mentor encouraged me to.

Soldering

It was exciting to learn how to solder and circuit the parts precisely with breadboards and proto boards. My mentor helped me with these technical details and with project management

Conclusion

It isn’t done yet, and I hope to mount it on the roof at Acera, you can find the manual, which is also WIP here