

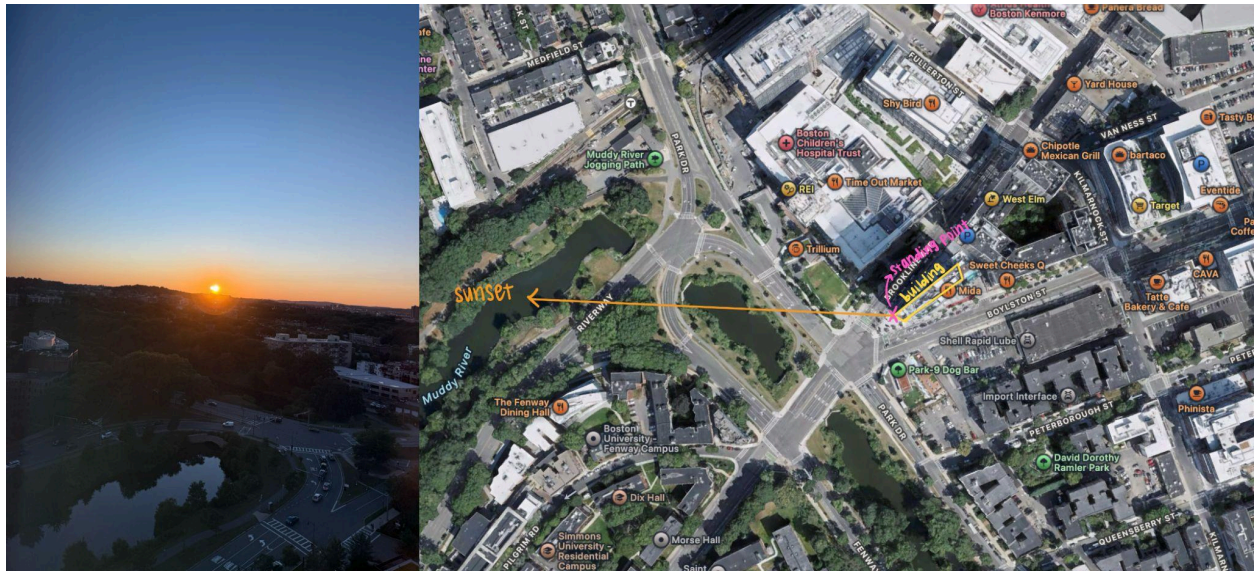
Jessica Lee

CGS IN250

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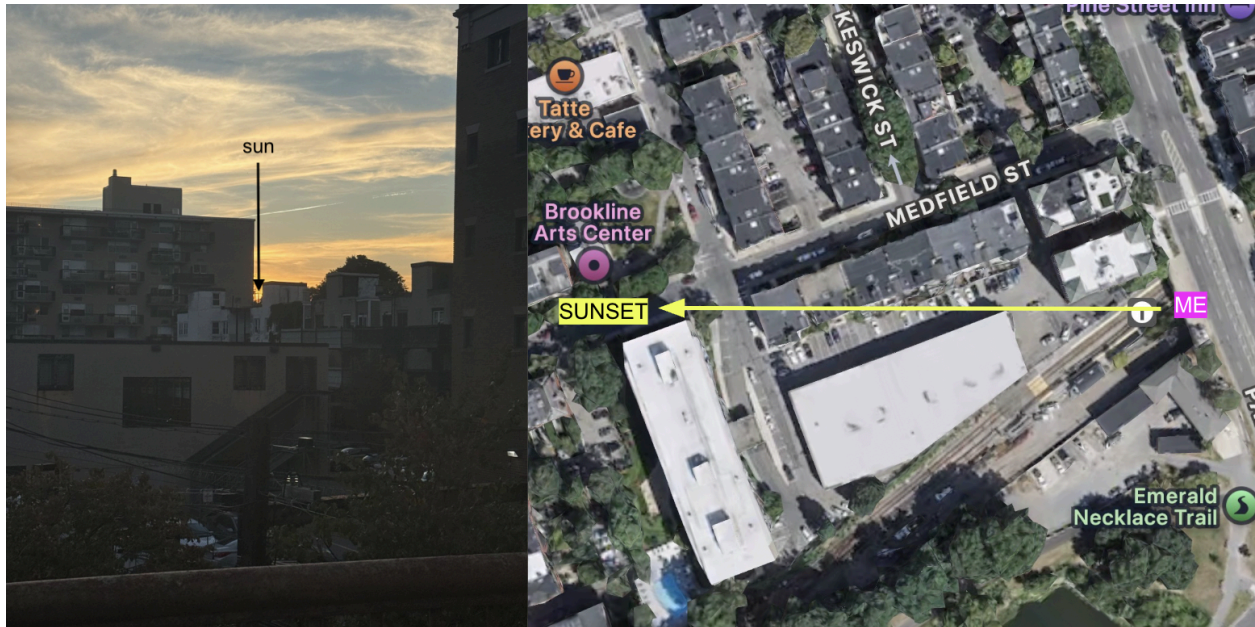
## Finalized Autumnal Equinox Fieldwork

### First Documentation



The picture above was taken at 18:57 on September 8, 2025, from the eighteenth floor of a Fenway building. This was eight minutes before the official sunset time of 19:05, which was indicated on the iPhone weather application. When taking the picture, the phone was propped up in a corner of the room to ensure a stable angle and better accuracy of recording the standpoint. Using a satellite version of the map, I noted the building's basic shape, from which I was able to locate my standpoint and the sunset direction. Analyzing this markup, the sun set to the West but slightly Northward due to the Earth's axial tilt. I stand quite confident in my findings due to the specific standpoint and angle; however, the results could be more accurate and improved if I had a straighter horizon in the picture. Also, having more notable landmarks in the picture by changing the brightness or using other camera tools could be helpful.

## Second Documentation



This second picture was taken at 18:32 on September 22, 2025, nine minutes before the officially noted sunset time on the iPhone weather application. Though I ran into some sudden logistical issues that prevented me from entering the same building from which I took the first picture, I was able to grab the perfect opportunity to take this from the middle of the bridge over Fenway Station. I took additional pictures of my surroundings as well to note the exact standpoint, and the sun set perfectly in the middle of two buildings, providing clear, concise landmarks. Analyzing the buildings on a satellite version of the map, I noted the direction of the sunset, which was due West of my standpoint. Therefore, this proves that the sun sets exactly in the West on the Autumnal Equinox. Nonetheless, this analysis can be improved by better planning of where and when to take the pictures, ensuring landmarks and a clearer sky from a higher view.

## **Conclusion**

Both the first and second documentation provide helpful information in identifying the sunset's direction in comparison before and on the Autumnal Equinox. While both pictures show the sun setting to the West, the first map shows the direction to be slightly North. Therefore, I can conclude that the sun sets more to the North before the Autumnal Equinox but more to the South afterwards, due to Earth's axial tilt.

Though the first documentation was in a more controlled environment, the landmarks are a little difficult to interpret when analyzing the map, and the horizon seems a little slanted. Meanwhile, the second documentation included unexpected deviances from my plans, so the sun is a little difficult to see, as the buildings mostly cover the horizon. However, combining both experiences can be helpful in producing a more accurate result and analysis. For example, documenting the sunset from a higher view in a clear, concise picture with landmarks and a clearer sky and with the least amount of obstruction possible will be helpful, especially when using a map for further analysis. Using camera tools to control brightness, zooming, and more can support the picture's clarity as well. Overall, I learned about the sun's direction of sunset based on the Autumnal Equinox, and though I feel confident in my findings, I acknowledge that my results can be improved in various ways as well.