Star Gazer

Get alerts about auroras, meteor showers, and more!

Stay up to date on the lastest happenings in our Solar System!

Getting started Stargazing

You want to see a cool astronomical event, such as a meteor shower. But first you need to know -

When?

What time will the meteor shower be brightest?

Gives the user a time window.

Where?

What part of the sky should I be looking in?

Takes user location and gives direction.

What?

What should I be looking for?

Gives the user a description of the phenomenon.

Data Sources

Aurora

https://www.swpc.noaa.gov/
NOAA Space Weather Prediction Center
freely publishes information

Meteor Shower

https://www.amsmeteors.org/meteor-
showers/2020-meteor-shower-list/
Hard code meteor showers in at first

Weather

Pull local weather info to see if the sky is clear
There are tons of weather APIs

Satellite View

https://www.star.nesdis.noaa.gov/goes/sector.p
hp?sat=G17&sector=pnw
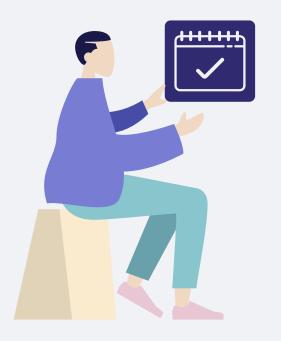User location to get a nice video

Competitor Approach

https://spaceweather.app/

UI Needs Improvement

No monetization

Does not use your location

https://aurora-alerts.com/

Only does aurora events

UI Needs Improvement

MVP

Weather Page

Shows satellite view from noaa GOES GeoColor

Meteor Page

Shows upcoming meteor showers

User Page

Can set preferences:
type of alerts or location.

Aurora Page

Shows aurora map from noaa swpc

What makes Star Gazer worth paying for?

Increasing the value of our existing features

Free users can follow one alert type (i.e. aurora), paying users can follow many (i.e. aurora + meteor shower)

Free users can see live updates, paying users can get push alerts or notifications per preferences

Free users can see events, paying users get to save personal profiles.

The Team

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