

# ROCKET LEAGUE STATS

An Esports Data Application



# Project Roles



**Luna M.**

GCP Deployment

Docker

Flask



**Heather F.**

Data Visualization

Data Extraction



**Ryan S.**

Flask

Database





# Project Roles



**Filip F.**

Frontend

Betting Line

Flask



**Tyler P.**

Frontend

Flask Integration



**Chase T.**

RabbitMQ

Flask





# Rocket League

is one of the world's premiere Esports.

6 players face off in a 3v3 soccer match, where cars are used in place of players. The cars can jump, fly, and use boost, creating the high octane fueled Esport that is Rocket League.



# Why Rocket League?

## Free API.

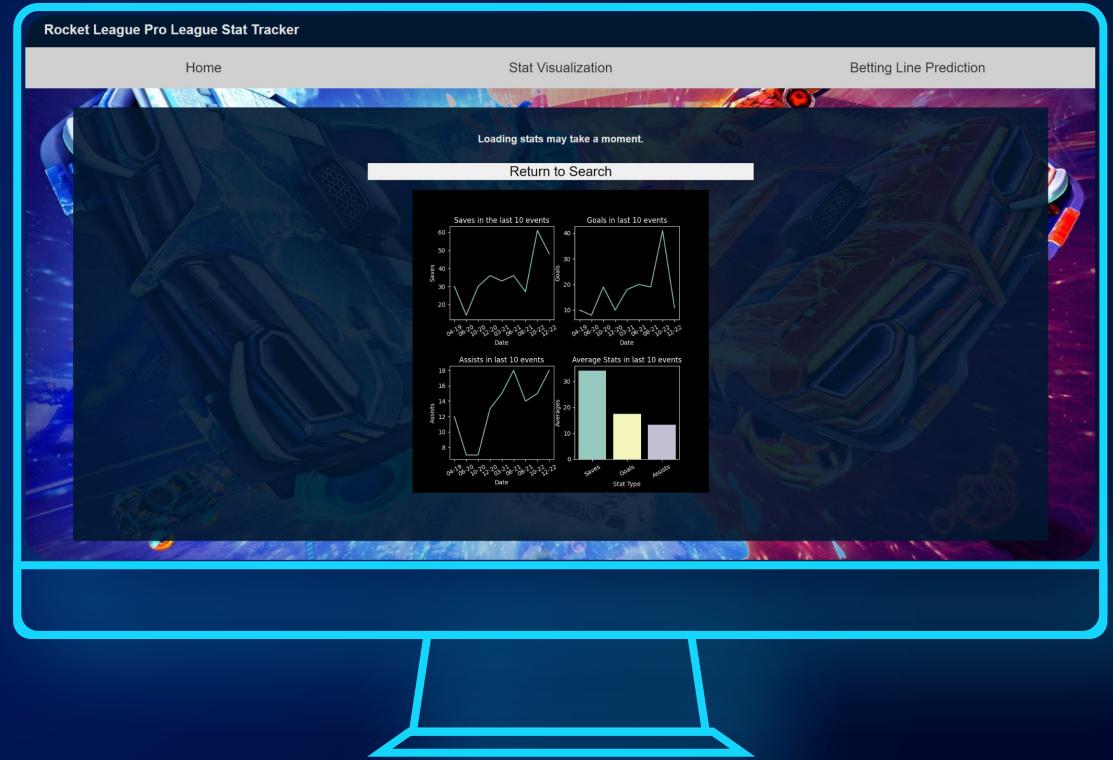
We knew we wanted to do an Esports data and betting application.

After searching for APIs that could provide Esports stats, we found Octane.gg was one of the few that was completely free.



# Our Application

Provides users with Rocket League player and team stats, along with visualizations, to inform Esports betting decisions.





# Demo

<http://34.31.106.36/>





# Architecture

## 01 | HTML + JS

Basic HTML + JS was used to create the page.

## 04 | Seaborn

Used to create data visualizations.

## 02 | Flask

Contains all app logic.

## 05 | Docker

Used to create hostable containers.

## 03 | Redis

Stores player and team data.

## 06 | GCP

Hosted on Docker Compose Server.



# Project Challenges



**Luna M.**

Networking



**Heather F.**

Issues with the API since it is under maintenance. Learning curve with using seaborn and a new API.



**Ryan S.**

Storing and retrieving all the data in Redis proved to be quite unintuitive. API we used ended up being finicky.





# Project Challenges



**Filip F.**

API calls efficiency attempts, and using Trello.



**Tyler P.**

Connecting front end with backend, adapting to backend changes with little information on them.



**Chase T.**

Airplay configuration worker use via CLI's Rabbit server





# Future Work

- Finish Setting Up RabbitMQ
- Team Comparisons
- Latest Matches Homepage
- Betting Line Neural Net
- More Visualizations / Creative Visualizations



TOXXICNERD3: What a save!  
TOXXICNERD3: What a save!  
TOXXICNERD3: What a save!



# THANK YOU!

Do you have any questions?

