

Company Background

Ready Set Sim (RSS) is the first-of-its-kind Sim Racing Hardware Configuration Website, helping new and existing Sim Racing enthusiasts source parts for their home Sim Racing Setups. Founded in 2024 by a small team of sim racers, Ready Set Sim has been continually improving the core *Sim Rig Builder* product, as well as introducing new products such as *MySim*, a social media platform for users to share their sim racing hardware setups with the community. Our tech stack is a [Next.js](#) frontend, Django REST Framework backend, and PostgreSQL for persistent data. Everything is containerized in Docker containers and deployed on Azure with CI/CD through GitHub Actions.

Project Introduction

As the Sim Racing industry continues to grow exponentially, RSS is aiming to better support the needs of new Sim Racers. With over 300 million potential setups, improving the Sim Rig Builder (think “PCPartPicker” for sim racing) to become more intuitive and beginner friendly is our top priority. The project will be focused on **creating a Machine Learning based recommendation engine of Sim Racing Hardware** utilizing data from over 30,000 “builds” of Sim Racing setups in our database along with expert recommendations.

Project Deliverables

Machine Learning Model

- Suggest individual products or bundled combinations of sim racing “setups” based off a variety of criteria
- Work through multiple model entry points, including:
 - Customer survey (budget, experience, etc)
 - User activity based recommendations (“You viewed this, you might like this product”)
 - Combination based recommendations (“People with similar rigs to yours have also bought...”)
- Sim Racing hardware recommendations are subjective to a certain degree, so model capability will be judged on compatibility (using our existing compatibility API) and fit to budget, along with matching to our existing user cart data.

Frontend implementation support

- Support the RSS team with strategizing best implementation of the model into different frontend tools, including a survey based tool and our Sim Rig Builder.

Desired Team Size:

- 3-5 people

Desired Skill Set

- Python
 - Data manipulation and some familiarity with ML concepts and technologies (pandas, scikit-learn, etc.)
- Basic SQL familiarity
- REST API development (Django REST Framework, [Express.js](#), etc.)
- Git/Github
- Some front-end basics ([Next.js/React](#)) for demo UI

Work location:

- Remote
- Founder is based in the Beck Venture Center

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