EuroTeQ Collider 2024

Challenge

Papers - A Social Media App for Scientists

In order to stay up to date, scientists have to monitor a large number of journals for their articles. In order to bring all these articles to one platform, a new social media app for scientists is to be created.

Problem definition

There are already RSS readers to subscribe to preferred journals, but two problems remain: firstly, journals publish many articles that do not fit a preferred topic and that still have to be sifted through, and secondly, there is always the risk of missing articles that had not been subscribed to with an RSS feed. These problems are to be solved with this app.

Description

This project has several challenges: the development of the app requires frontend and backend development. The sources of the RSS feeds must be read automatically. The sources must be sorted according to user behavior. The app must also continue to be maintained after the EuroTeQ program.

Key questions

-Create an app for a social media feed
-Subscribe to RSS feeds, authors, journals, topics, institutions and more
- Create a user's interest profile by feed topics authors journals and other factors
-Find more articles based on a user's interests
-Display articles user-friendly with preview image, title, links to the original article
- Enable to interact with the article (like, comment, share, export DOI and other functions)

Links

x

Skills

The team needs experience in frontend development, backend development, web crawling, DevOps engineering and machine learning.

Partner

The Technical University of Munich.
Schüfflerlab.org