



RPI EVENT HUB

PLUS Discord and GitHub for helping us organize our project, an epic an awesome project data structure!!!

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From Flyers to... EventHub

Our Mission

RPIEvent Hub is a comprehensive platform for RPI students and staff to effortlessly create, advertise, and explore diverse campus events, fostering a vibrant and connected community.

Objectives

- **Create a welcoming community** A constant stream of events occurring on campus will encourage users to return regularly to discover new events and activities.
- **Enhance accessibility and inclusion** Our user interface should be easy-to-use for every student at RPI.
- **Centralize event information** The website will contain all events happening on campus that can be seen by anyone. Our database-driven approach means all campus events are stored and easily retrievable in one central location.

Collaborations

- **Vice President for Institutional Impact** May Lee was looking for a solution to promote events and book rooms for them, and united us with 'Study Compass' and 'EduReka' to collaborate on solving it.
- **Corbin Larsen** A first-year Computer Science student who developed a website that uses AI to scan photos of posters and automatically generate events. He granted us access to his database, allowing us to expand the events on our website
- **CApy** An RCOs project working on a Discord bot that assists club officers in managing their organizations. We enable our databases to share events created across each platform.
- **Study Compass** A fellow RCOs project that built a site allowing users to view and reserve open classrooms. We will provide the events their rooms take place in.
- **EduReka** An RCOs project that is developing an API that will connect us and Study Compass

Results

- An **elegant, user friendly UI** for users to share event posts with peers, browse through existing posts, and **search for specific events** on campus
- A robust collection of rapidly updating events that can be added to easily with a simple photo of the poster
- An easier method of creating events using optical character recognition
- Over 800 total events and 300+ active users

Google Analytics

Figure 1. Active users and new users over time

Conclusions

Throughout this semester, we have been polishing the site and adding new features. EventHub is in the best shape it has ever been. we want even more people to experience it and for it to spread all across campus.

Future Plans

1. Database Optimization
2. Inter-University Adaptation
3. Official Union usage

What else do you think should we add?
Feel free to join our discord or contact us directly!!! huangm10@rpi.edu

RCOS

