Project Title:

Open-source Temporal Networks Library.

Project Description:

Temporal graph theory is an emerging area motivated by the lack of tools for the analysis of temporal networks arising from the rich and rapidly growing domain of modern systems with dynamic interactions including the Internet, mobile-phone networks, ecological networks, social networks, wireless ad hoc networks, transportation networks, etc.

There exist various standard software libraries for working with static graphs/networks, while no convenient library is available at the moment for temporal networks.

This project aims at designing and developing the foundation of a new open-source library for Temporal Networks. It will involve architecture design, coding as well as a comprehensive set of activities associated with the deployment of an open-source project (see https://opensource.guide/starting-a-project/).

The intended development language is Python, so solid Python skills would be desirable.