

Intern Requirement

No. of students required	2
Preferred Discipline	<ul style="list-style-type: none">• Computing / Computer Science• Computer Engineering
Prerequisites/ Skills Required	<ul style="list-style-type: none">• Exposure to a programming language for RIA• Preferably some experience in web application development

Project Details

Title	Development and Extension of Interactive Data Visualization Tools
Overview/Background	<p>With the increasing number of websites such as Facebook, hi5 and MySpace, people are building social networks through the online community. Such social relationships allow us to identify common interests and activities among friends and family.</p> <p>With this enormous increase of data that is available, there is a pressing need for sophisticated data visualization tools that will process the data into easily digestible information for the user in order to minimize information overload.</p>
Objectives/Scope/ Deliverables	<p>The aim of this project is to evaluate existing data visualization tools in order to assess their capabilities and enhance existing functionality through the development of useful plugins. The interns will also be given the opportunity to develop a Rich Internet Application (RIA) that will provide users with an interactive visualization and exploration platform for networks, complex systems, dynamic and hierarchical graphs. The interns will then recommend the approach that should be adopted in order to provide users with data visualization functionality that is not only rich, but which can also be easily extended with minimal development effort.</p> <p>Through the project, interns can expect to learn the basics of visual data analysis such as link analysis and social network analysis, practice modern software engineering practices, gain experience in working with an enterprise level technology stack as well as obtain hands-on experience with developing Rich Internet Applications (RIAs) using modern RIA frameworks.</p>
Project Duration	6 months