



Tyler Technologies

2018 Field Session Proposal

Tyler Technologies is the leading provider of public sector software in the US. As we continue to grow it becomes more and more critical that we understand our customers, their customers, the current market and how our software can impact it all. This means we have a lot of data to go through. We would like to have a group of skilled, highly motivated student help us create a system that will parse and manage this data. We want to create the ability for this system to alert individuals of problematic states, to generate reports from this data and ad hoc queries to be performed over this data. The data has multiple sources but is currently being aggregated in an elastic search database that is searchable via an Angular website. This database has become very valuable but with some data analytics, intelligence and a bit more processing power applied we expect to be able to get even more value from this data.

This summer we hope to have a group of talented students extend the existing functionality for the website. For this project students will have to use angular js to develop the front end, C# to develop the backend, Elastic Search for the storage of data, and Sql for data gathering. They will have to be able to parse large chunks of data and develop algorithms for processing that data in an efficient manner. They will have to be able to present data in a logic fashion through the use of angular chart js. We are excited to see how this data can be utilized for the benefit of our customers so that they can better serve the public.