Daniel Fenton is the lead for information discovery and data interoperability on the ArcGIS Hub team at Esri. Based in the Washington, D.C. R&D Center, Daniel has been with Esri for five years. He leads a team of engineers with expertise in GIS, information retrieval, distributed computing, data science, and user interfaces. Daniel is a significant contributor to open source software libraries, including Koop, a popular JavaScript framework for translating spatial and tabular data from one API format to another. Prior to joining Esri, Daniel worked as a product manager and research manager at JLL, a global real estate services firm. He is currently enrolled in the Computer Science Master of Science program at the University of Maryland. Previously he received a Master of Science degree in Applied Economics from the Georgia Institute of Technology and Bachelor of Science and Art degrees in Economics and Philosophy from the College of Charleston.

Perspective

I currently lead a team of engineers that are responsible for the search system in ArcGIS Hub. ArcGIS Hub is an easy to configure cloud platform that allows organizations, primarily government, to publish spatial and non-spatial content on websites. The search system and websites are designed to be used by users who are familiar with computer technology, but not GIS. As the Hub product is produced inside and R&D center, I have experimented with different spatial search techniques that operate on both explicitly and implicitly labeled data. This includes research projects in partnership with Thomas Hervey and Sara Lafia, both Ph.D. candidates at UCSB.