Dissertation Abstract

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Title of degree: Master of Science in Computer Science (Mobile and Ubiquitous Computing)

Dissertation title: Developing knowledge models of social media over World Wide Web

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Abstract:
User generated content from large Social Network is considered an important knowledge source in the future. The data is inherently unstructured or semi-structured.
In this project, we perform a case study on LinkedIn Ireland public profiles, to investigate how to develop a reusable knowledge model for it. Apart from the search engine in LinkedIn.com itself, there's no well-known public available endpoint that allows users to query knowledge of interest from LinkedIn. We present a system that download and convert the raw webpages from LinkedIn to a machine-readable, interoperable format using Data Mining and Semantic Web technologies. One of the outcomes from this project is a dataset that contains facts about Irish industry and education in a structured manner.
The resulted dataset is publicly accessible SPARQL endpoint, everyone who interested in facts about Ireland can use HTTP request to access it.