

Thesis Proposal

Judgements Collector Browser Plugin

Academic contact: Gianmaria Silvello, silvello@dei.unipd.it

Company Profile

Sease mission is to make research in Information Retrieval more accessible to an industry audience, transforming the best research principles, ideas and implementations from academia into real world products.

Focus of the company is to provide R&D projects guidance and implementation, search consulting services and training using Open Source software such as Apache Lucene/Solr and Elasticsearch.

Introduction

For a business heavily based on search engines is hard (and extremely valuable) to estimate which documents of their corpus are relevant for their information needs(queries). Rated Ranking Evaluator (RRE) is an open source search quality evaluation tool that queries a target search engine and produces a report with state of the art evaluation metrics. To perform such evaluation it is necessary to build a golden truth beforehand, a rating set that associates a relevancy score to a pair <query, document>.

Thesis

Focus of the Thesis is to design and implement a module in RRE-Enterprise (a Google Chrome Plugin) that is able to automatically generate an overlay over a generic search result page.

Main responsibility of the candidate will be to:

- learn basic concepts of Agile methodologies for software engineering
- learn details of Search Quality Evaluation
- grasp the fundamentals of structured web pages information parsing and extraction
- design and implement the plugin using modern front end technologies

Location: no requirements in terms of working hours or location, the student can work flexibly from its own premises or at the University Labs

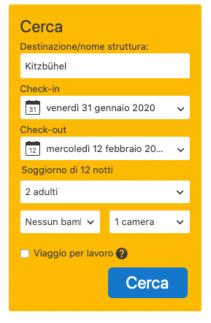
Duration: 5/6 Months

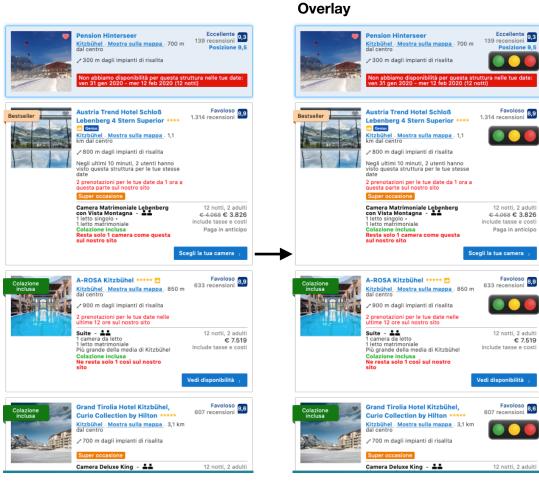
Benefits: Expenses + a paid visit to





London for an Information Retrieval meetup **Appendix A**





Overlay





Sease Ltd.

www.sease.io

