

# Definition of Bachelor Thesis Project

## Data Engineering Applied to the Swiss Job Market

ID GRE3-3-20

Students Dennis Gjokaj

Advisor Erik Graf

Experts Dr. Federico Flueckiger

Assignment The goal of this thesis is to create a pipeline to crawl job offerings from sites like jobs.ch, to pre-process them and extract the relevant data. The data will then be classified by unsupervised and semi-supervised classification algorithms. These classified findings will then undergo deeper analysis about their value and representation. The output of the classification can be used for further analysis targeting the extraction of information such as the state of programming languages and technologies out of the data.

Industry  
Partner

---

© 2020 Bern University of Applied Sciences, Engineering and Information Technology - Divisions of Computer Science + Medical Informatics