



SIMBALS
Château de Thouars
27 allée des petits rois
33400 TALENCE

Research Internship Group Recommender Systems

Contact: internships@simbals.com

Duration: 5 to 6 months

Company

Simbals is an innovative company founded in 2012 in Bordeaux, France. Our solutions come from many years of research at the University of Bordeaux in signal processing and data mining, illustrated by several international publications or patents. Our mission is to provide the most useful solutions from technology to help the industry providing the best user experience among the huge amount of music data available: cleaning catalogs, automatic tagging, AI and machine learning processes, recommendation and playlisting systems are a part of the possible applications.

Research Team

You will integrate the Research team, which is aiming at developing new innovative solutions for the music and audio industry, from the initial planning to implementation. For example, research team investigates areas such as audio and music content identification, music recommendation and personalized radios, smart music data, artificial intelligence for music.

Description

Our mission is to provide the most useful solutions from technology to help the industry providing the best user experience among the huge amount of music data available. Amongst these solutions, we propose music recommender systems consisting of automatically suggesting audio tracks according to the musical taste of users. Such technologies have to be constantly evaluated and improved in order to be able to deal with huge catalog.

Work during Internship would focus on recommender systems for group of users. After having studied bibliography, solutions would be proposed and implemented. Evaluations of these systems would also be investigated: these solutions would be tested with huge database in order to evaluate their accuracy and their usability of existing musical catalogs.

The intern will be encouraged to propose solutions and work in autonomy.

Profile

Master student with background in applied mathematics or/and computer sciences

Skills

- Strong knowledge of machine learning and data mining
- Good programming skills (Python, C++ is a plus)
- Strong interest in recommender systems and music
- High motivation and autonomy
- Working knowledge of French language
- Working knowledge of English language