

## Matching Algorithm using Rails

# IDP at the TUM Entrepreneurship Research Institute (BWL)

*In cooperation with Mixtable the TUM ERI offers an interdisciplinary project for the winter semester 2013/14.*

The **theoretical part** consists of the module “**Global Entrepreneurship**,” in which we will focus on important topics and key concepts in entrepreneurship, such as

- entrepreneurial motivation and psychology,
- entrepreneurial affect,
- opportunity recognition and evaluation,
- business planning,
- entrepreneurial human and social capital,
- new venture financing,
- social entrepreneurship, and
- entrepreneurial exit.

The lecture and the theoretical topics will be complemented by real-world examples and cases. For certain topics, guest lecturers will provide additional information and perspectives for the students.

The **project part** has been arranged in cooperation with **Mixtable** and focusses on the matching of new friends and bar evenings:

- How can personal profile information, Facebook data (likes and groups) and user preferences be processed such that the computer suggest ideal matches?
- Is it possible to integrate machine learning?
- How can social network information about user friends be used?
- How can the algorithm be deployed to create a operationally efficient solution for the business?

**You are** a TUM Master Student and speak either English or German proficiently. Experience in start-ups and with the Rails framework is a plus, but neither is requirement. World championship table soccer qualities are a plus too. Most importantly you are keen to put your computer science knowledge on trial and are keen to dive into a complex problem.

**You will** learn to build an algorithm with a very real life application. We will help you to implement it in a way so that it can be used on a daily basis to produce real happiness for the users and improve operational efficiency for the organization. You will have the chance to integrate your project in a existing system, to code in Ruby-on-Rails and will see what it takes to build up a tech company.

**Mixtable** matches two groups of friends – 3 girls, 3 guys– and brings them together for fun nights out. Mixtable is a young Munich-based business with support from Harvard University and the Strascheg Center for Entrepreneurship.

**More project information is available on [www.mixtable.com/jobs](http://www.mixtable.com/jobs)**

Looking for  
IDP student  
or  
student teams

Language  
English or German

Timing  
WS 2013/14

Offered at  
Entrepreneurship  
Research Institute  
(Management)

In cooperation with  
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