

Eidgenössische Technische Hochschule Zürich Swiss Federal Institute of Technology Zurich



Prof. R. Wattenhofer

B/M/S/G

Plan my vacation

Going on vacation is supposed to be fun and relaxing, but planning to do so is a hassle. You might have a rough idea what kind of climate you like, what activities you want to do, how often you would like to eat in a restaurant... That sounds like enough information to plan a trip!

For this thesis, the goal is to choose a range of interesting features, then implement a tool that will generate a number of proposal trips that satisfy the criteria a user wants.

Apart from building a smart system, some hard algorithmic problems can arise that should be dealt with heuristically; for example, choosing as many activities as your budget allows can be seen as an instance of the Knapsack problem.



We have some ideas about interesting features, but the main goal will be for you to get creative and try out your ideas!

Requirements:

- In this thesis, you will write code.
- You should be able to work independently on this topic.

Interested? If you are interested, we will be happy to hear from you and to have a small chat.

Contacts

• Georg Bachmeier: georg.bachmeier@tik.ee.ethz.ch, ETZ G94