



Ubiquitous Media Technologies

Prof. Dr. Antonio Krüger



Bachelor/Master-Thesis

Personalized Restaurant Menus

Consider a scenario in which a user arrives at a restaurant. On their smartphone, they have an application that they have downloaded called the „restaurant app“ and a user model containing details of their food preferences, allergies, and so on. The application discovers that the user is inside the restaurant and after confirming with the user, exchanges information with the restaurant, e.g. a restaurant’s menu is downloaded onto the user’s device and then personalized to the user, and possibly the user’s preferences are also passed to the restaurant (e.g. allergies).

In possible collaboration with researchers from The University of Sidney and a restaurant, this thesis will focus on client-side (and client-owned) personalization in gastronomy. An important part of the project will be that of user modeling and the use of information in such a model for the purposes of personalization. For instance, consider allergies and their severity, likes and dislikes, the user’s goals (health related, or to loose weight), the social context (whom I am going out with) and food recommendation. Every piece of information not only has to be appraised from a personal perspective but also within the social context, e.g. for sure not everybody wants others to know that he or she is currently on a diet.

Required skills: Strong programming skills in Java on the Android platform, interface design, and an interest in conducting user studies.

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