

Student Assistant: System Architecture / Mobile App Development

To improve the mobility of people with visual impairments, we strive to create a mobile app for pedestrian navigation on the KIT campus, both outdoors and indoors. We are already working on solving the technical problems (backend), such as: positioning, route generation, object detection. The app should be the connecting point that takes the information from the existing systems and sends it to the user. For designing the architecture of the mobile app and later programming the app and its interface in a modular way, we are looking for a student assistant to start immediately (01.01.2024).

Tasks

- Compare programming languages and cross-platform app development frameworks and choose the best one for our context
- Program the interface

Necessary knowledge

- Analytical thinking
- English communication skills
- Knowledge of existing programming languages and cross platform frameworks for developing apps (e.g. Swift, Lua, Flutter/Dart)
- Experience in programming iPhone apps
- Experience with cross-platform app development frameworks is a plus



Contact person

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