You are a **student of Computer Science** or a similar study course and wish to complement your studies by obtaining some practical experience?

For our department Moving Picture Technologies, location Erlangen, we are looking for

Interns and Student Assistants (m/f)
In the area **Audio channel routing in software for playback of Digital Cinema Packages**

Already, most of the cinema screens worldwide have been digitized. At Fraunhofer IIS, we developed software solutions for creating and playing Digital Cinema Packages (DCPs). Recently, the standards have been extended to allow for custom audio channel routings. The player is supposed to extract metadata from the DCP and then automatically re-configure its internal audio channel routing. Additionally, the user interface shall provide a means to set up custom channel mixes e.g. for swapping the order of certain channels or for applying a stereo-downmix.

Your tasks
- Familiarization with the format of Digital Cinema Packages
- Specification and development of required extensions to the current software player
- Evaluation and documentation

You should (have)
- Study Computer Science or a similar course of studies
- Good knowledge of C++ programmin language and GUI-concepts
- Basic knowledge of audio processing, advantageous
- Experience with Qt-framework, advantageous
- Flexibility and eagerness to work independently with new technologies

We offer
- An open and cooperative working environment
- Very well equipped laboratories
- Collaboration in interesting and innovative projects
- Many opportunities to gather practical experience
- Part-time student assistantship (the average working time is 8-12 hours per week - flexible time and day) and full-time internships.

We are also able to offer you the possibility to write your final thesis together with us in one of the subjects mentioned above. The theses are allocated and carried out according to the rules of the university you are enrolled at. Please confer with a Professor of your choice, who is able to supervise it.

Interested?
Do not hesitate: Join our team and work with us on the Technology of tomorrow!
Reference number: 894362
Please inform us, how you found out about our job offer.

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For more information about the institute and its products have a look at: www.iis.fraunhofer.de