Development of an intelligent studying platform  
(Frontend/Backend)  
(IDP at the Entrepreneurship Research Institute in collaboration with StudySmarter)

Do you want to revolutionize the way students learn? Are you interested in cutting-edge technologies like machine learning or natural language processing? Do you have skills and programming experience in front-end development, e.g. web-development or mobile development? Then join us and apply for an IDP with StudySmarter!

StudySmarter is a project of the Manage&More-program by UnternehmerTUM with the goal to develop a digital studying platform, which supports students with their studying process. By using technologies like Natural Language Processing and Machine Learning, the software will generate studying content like summaries, mindmaps and flashcards automatically, in order to make the studying process smarter and more efficient for the students. Moreover, motivation and time allocation will be maximized by applying innovative pedagogical methods. The platform will be available as a web app as well as a mobile app.

Examples for the theoretical part (6 ECTS) include the module “Global Entrepreneurship,” “Technology and Innovation Management,” or “Introduction to Strategy and Organization” which help you understand how new ideas can be discovered, developed, and implemented in different organizational contexts.

The project part (7 ECTS | approx. 210 working hours, both full-time and part-time possible) may consists of the following possible work packages (depending on requirements / skills / interests of the applicant):

• Definition Rest-API
• Development of server-side architecture (using AWS / Google Cloud Platform, Django, etc)
• Construction of a frontend design for mobile / web app
• Development of a frontend application (web app or mobile app)
• Development of a natural language processing engine

Procedure:

• You will have one mentor from Study Smarter and one contact person at the institute.
• We will define the theoretical part and work packages in a kick off meeting.
• Regular update meetings, but flexible working times / place
• Team applications possible
• Start date: as soon as possible

Requirements (depending on work package):
• Python
• Mobile Development (iOS/Android)
• Web Development (Django, JavaScript, jQuery, Html, Css)
• UI / UX Skills
• Experience with Machine Learning / Natural Language Processing

Further questions? Please shoot us an email: info@studysmarter.de

If you are up for a challenge, we are happy to welcome you on board!