Development of an iOS Application for Magnetic Resonance (MR) Spectroscopy

The MR Clinical Solutions Lab, part of GE Global Research – Europe, focuses on tasks from pioneering to delivering MR driven clinical solutions. Examples of these are advanced quantitative methods for metabolic, functional and microstructure neuroimaging.

GE Global Research – Europe sits on the Garching campus of the Technical University of Munich. This creates a unique blend for our scientists to be in a university setting, while performing research in a world-class industrial lab that is dedicated to bringing new technologies to market. The facility also operates closely with technology teams at GE businesses across the globe, ensuring effective transition of breakthrough innovations from the lab into advanced products and services. Within the R&D community, the center maintains close partnerships with numerous universities, research institutions and technology companies in Germany and abroad.

Task and goals

In this project, you will work closely together with our scientists and engineers in collaboration with the Image Based Biomedical Modeling group (Prof. Bjoern Menze). The specific goal of this IDP is to develop a graphical user interface for tablet devices to display and manipulate spectral MR data of the brain.

Qualifications/Requirements

- Strong knowledge of Objective-C and XCode and iOS technologies
- Experience with C/C++ programming
- Basic knowledge of signal processing
- Excellent communication skills
- Open, creative & flexible
- Team-work & commitment
- Fluent in English, basic German knowledge.

Contact

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