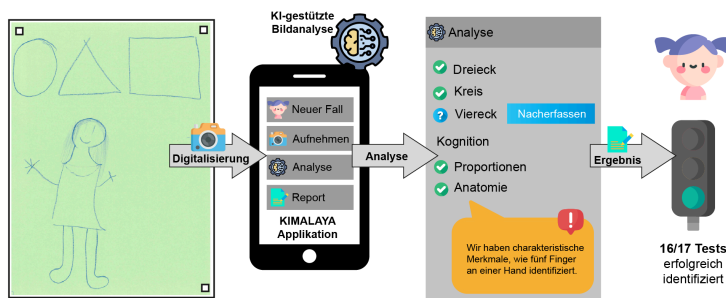The Department Artificial Intelligence in Biomedical Engineering (AIBE), Juniorprofessur Artificial Intelligence in Communication Disorders is looking for an

App Developer
with Machine Learning Background (m/f/d)

The project: The Bavarian State Ministry of Health, Care and Prevention (StMGP) funds a project called "KIMALAYA", where we investigate the automatic detection and evaluation of kids' drawings during a preschool examination. In detail, we would like to use modern deep learning methods deployed to a smartphone app to detect specific parts of the drawing, then judge if the drawings are sufficient according to some criterion (e.g. if a circle is fully closed) and then show the examination results. The following figure shows the overall idea.

Your background: We are looking specifically for an experienced app developer (Android) who also has experience in using and deploying Deep Learning models on smartphones.
- **Programming expertise in Flutter, Kotlin, and/or Java**.
  We believe that some computations need to be in native environments.
- Proven record of app development
- Ability to deploy deep learning models, such as YOLO, and Computer Vision computations (perspective transform, circularity detection, etc.) to apps
- Knowledge of Artificial Intelligence, ML/DL, Computer Vision, Pattern Recognition => Possibility to also train the models by yourself
- Fluent in either German or English, at least basic knowledge of German is required
- Reliable, committed, work ethics

Related information
- Up to 19h/week possible (especially if combined with developing AI models)
- Hiring as soon as possible
- Partly remote working - attending in-person individual and group meetings is crucial

Please direct any **correspondence** to:
Prof. Dr. Andreas Kist, andreas.kist@fau.de
For application, please send your CV, Transcript of Records, and Links to relevant content, e.g. App Store, Github repository, etc.